FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1029-Vol. XXV.

PRICE 6d.

MR. JAMES CROFTS, MINING BROKER, No. 1, FINCH LANE, CORNHILL, LONDON, TRANSACTS BUSINESS, DIVIDEND MINES, well selected, are the best of any known investments—paying from 15 to 20 per cent. per annum in dividends. The choice of NON-DIVIDEND MINES, segonisation requires careful discrimination.

The price of really valuable mining shares having in numerous instances, and by the force of cirguaustances, descended to, or below, the value of the materials on the mines and, therefore, become perfectly eafs speculations, Mr. Caovers will furnish a tion requires eareful discrimination, by valuable unling shares having in numerous instances, and by stances, descended to, or below, the value of the materials on the fee, become perfectly safe speculations, Mr. Chorra will furnish a continuous continu R. JAMES LANE has REMOVED from 33, to 29, THREAD-NEEDLE STREET, and continues to DEAL in DIVIDEND and LEADING NES, at the closest market prices. MR. JAMES B. BRENCHLEY has instructions to SELL the following sHARES, at NETT PRICES, subject to any alteration that may arise in the market value up to the time of application only:

JAMES B. BRENCHLEY has instructions to SELL the following sHARES, at NETT PRICES, subject to any alteration that may arise in the market value up to the time of application only:

JAMES B. BRENCHLEY has instructions to SELL the following statement of the self-statement of the same of the self-statement of the self-statem 20 Trewetha, £2%.
2 West Basset, £29%.
5 West Frovidence, £12
10 Wh. Charlotte, £13%.
50 Nanteos and Fenrhiw.
5 Herodefoot.
10 Wheal Wrey, £5%. 18 Trehase, £5.

NON_BYIDEND.

2 Great Alfred, £13.

25 Lydford, 10s.

25 Merllya, 7s.

100 Molland, 1s. 3d.

1 North Robert, £30.

100 North Towy, 8s.

28 Orsedd, £1½.

10 South Carn Brea, £5½.

10 South Carn Brea, £5½.

10 South Bog, 7s. 6d.

5 South Providence, £6.

5 South Providence, £6.

20 Tavy, 8s.

25 Vale of Towy, £1.

3 West Frances.

5 Trefusis.

In every description of RAII 5 Bell and Lanarth, £3½,
5 Clijah and Went., £14.
2 Brysford Hall.
5 Cas Gynon, 6s.
50 Callington, 15s.
50 Oubert, 5s. 6d.
10 Cook's Kitchen, 38s. 8d.
10 Cown Darren, 4s.
2 Eaglebrook, £28.
5 East Buller, £4.
2 East Basset.
2 East Wheal Rose, £28,
50 Garreg, 7s. 6d.
50 Great Onslow, £1. 1s.
25 Great Baddern, 10s. 10 Wheal Wrey, £5½.

2 Kitty (Lelant), £27½.

25 Wh. Langford, 12a, 6d.

15 Tresellyn Consols, 10a.

25 West Folberro, 29a.

100 West Sortridge.

20 Wheal Edward, £3½.

20 Wheal Follard, 15a.

1 Wheal Brewer, £15.

100 Mixon Consols, £1½.

140 Perran Consols, 6a, 6d.

5 Wheal Uny, £5½.

5 North Buller, £4.

30 Bryatsil, 12a, 6d.

20 Wheal Henry, £3. SALES, &c., EFFECTED in every description of RAILWAY, MINING, CANAL, ad INSURANCE SECURITIES.

For the guidance of parties in the country, a WEEKLY LIST OF PRICES is ultilistic every wednesday, and sent on application.

Mailing and Share Offices, 2, Pinner's-court, Old Broad-street. OTICE OF REMOVAL.—Mr. W. LEMON OLIVER, STOCK AND SHAREBROKER, has REMOVED to No. 4, AUSTINPRIARS, OLD BOAD STREET, CITY. (Sworn Broker.)—May 4, 1855. DEMOVAL.—Mr. HENRY SIBLEY, STOCK, SHARE, AND MINING AGENT, has REMOVED from No. 3, Old Broad-street, to No. 4, ECHIN LANE, CORNHILL. MESSES. T. SPARGO AND CO., MINING AGENTS AND GRADIERS, 70, CORNHILL, LONDON.

Gratuitous advice will be afforded to any gentleman requiring information respecting mining investments, upon application personally or by letter. W. H. BRUMBY, STOCK AND SHAREBROKER, I, BRIDGE STREET, BATH. WANTED.—Any part of 500 West Polberro. MR. M. W. BAWDEN'S MINING, ASSAYING, AND COMMISSION OFFICES, LISKEARD.

Mines inspected by competent agents, and bone fide information given. MR. RICHARD MICHELL'S MINING, AUCTION, AND GENERAL COMMISSION AGENCY OPPICES, FORE STREET, REDRUTH. 4
Mines inspected, and information punctually furnished. MR. NEWTON SAMUELSON, F.C.S., ASSAYER AND ANA-LYTICAL CHEMIST, -3, HACKIN'S HEY, LIVERPOOL. MR PRANCIS RIDGMAN, MINE SHARRBROKER, TAVISTOCK, DINON. // MR. T. TYACK, MINE SHAREBROKER, AUCTIONEER, &cochemate. 12 R. E. GOMPERS, MINING SHARE DEALER 98, GRACECHURCH STREET, LONDON. /3 98, GRACECHURCH STREET, LONDON.

R. HY, GOUILD SHARP, MINING SHAREBROKER,
CROSSE HALL CHAMBERS, BISHOPSGATE STREET, LONDON, has
be following SHARES FOR SALE, or any part, at net prices:

5 Alfres Comesis, £10%.

100 Cathook Comes, £210%.

101 Cathook Comes, £210%.

102 Cathook Comes, £210%.

103 Cathook Comes, £210%.

104 Cathook Comes, £210%.

105 Comes Borridge, 18.

105 Cathook Comes, £210%.

106 Cathook Comes, £210%.

107 Cathook Comes, £210%.

108 Cathook Comes, £210%.

109 Cathook Comes, £210%.

100 Cathook Comes, £210%.

100 North Hingston, ia. 3d.

100 North Hingston, ia. 3d.

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100 Cathook Comes, £210%.

100 North Hingston, ia. 3d.

100 Wideleng, 88.

100 Widel JAMES F. BODDY, No. 16, OLD BROAD STREET, LONDON, TRANSACTS BUSINESS in the undermentioned, or any other MINES quote nation upon application, like a course of list of the prices. It is of the prices Nor. HingsPolttmore
Par Consols
Phonix
Polberro
Pombr. & E. Crinnis
Pensy-Geili
Oakely
Si Oola (Limeriek)
Pendeen Consols
Quintrell Downs
Rix Hill
Rorrington
West Blasset
Wheal Arthur
Wheal Alane
Wheal Jane
West Alfred
West Crinnis
West Felberro
West Wheal Alfred
West Pelberro
West Wheal Iran
West Pelberro
West Meal Alfred
West Pelberro
West Meal Alfred Round Hill Wheal Aired
South Caradon
South Tamar
St. Aubyn and Grylls
Stray Park and Camborne Vean
Sortridge Consols
South Bog
South Bog
South Bog
South Cara Brea
Wheal Wrey
Wheal Wrey
Wheal Zion
West Ovriridge
West Wh. Friendsh
Trohano
Trohano
Wheal Gill
Wheal Ludcott
Wheal Surprise
Tamar Maris
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United, East Gunnis Yake, North Robert Connegative Consols Stray Parker of Consols South Rog South Rog South Bog South Bog South West Phoenix Tewarta Trewetha Trewetha Trewetha

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Meal Robert, North

X.B. As so many parties

I.P. Boner will be happy

a receipt of six posts

ridge Comols, Bedford United, East Gunnis Lake, North Robert Borth Basset, East Basset, New South Wales Coal, and others, parties have applied for the Cost-book Laws and Regulations happy to forward a correct printed copy to any part of the king is postage stamps.

Bankers: Sir John Wm. Lubbock, Bart., and Co.

KENEY INVESTMENT.—T. FULLER AND CO., 51, THREADMEDILE STREET, LONDON, continue to ADVISE CAPITALISTS upon
Jonath arounds of MINING PROPERTY; and begrespectfully to call attention to
JON DIVIDEND and FROGRESTYE MINES, a careful selection of which cannot
around the substance of the many of them paying profits of from 15 to 20 per cent.

Jonath and Co., being in daily communication with agents of practical expemanerery information, either personality or by letter, and all instructions promptly
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LONDON, SATURDAY, MAY 12, 1855. MR. HERRON is a BUYER of the FOLLOWING SHARES: 5 West Providence 5 Great Alfred 40 St. Day United 1 West Caradon 1 South Caradon 1 South Frances 1 South Basset
10 North Basset
10 South Carn Brea
30 N. Vale of Towy
5 Cobre
5 St. John del Rey

30 Clark St. John del Rey
30 Orsædd
30 Kilchen
30 Orsædd 10 Gilmar 10 Wheal Charlotte 5 Craddock Moor 10 East Wheal Rose 10 East Wheal Rose

5 South Cargoli
1 South Caradon
5 South Cargoli
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5 South Cargoli
1 South Caradon
5 Cobre
5 Oxtro Cobre
1 South Caradon
5 Cobre
6 St. John del Rey
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9 St. John del Rey
1 South Caradon 30 Treleigh
15 North Downs
30 Wheal Pollard
20 Great Baddern
50 Tremoil. Down
5 Stray Park
10 Pen-y-Gelli
3 East Basset
5 Eaglebrook
10 Bedford United 17 MR. JOSEPH JAMES REYNOLDS, STOCK AND SHARE—BROKER, No. 21, THREADNEEDLE STREET, LONDON, HUSINESS TRANSACTED in every description of BRITISH and FOREIGN MINES. MESSRS. POWELL AND COOKE, DEALERS IN MINING SHARES, No. 8, HERCULES CHAMBERS, OLD BROAD STREET, LONDON,—The above continue to DEAL in the SHARES of all the leading DIVIDEND and good PROGRESSIVE MINES.—May 4, 1855. MESSRS. SANFORD AND MORTIMER (late T. Sanford Established 1940), MINING and GENERAL STOCK and SHAREBROKERS, AUGGRAVES'S ALLEY, EXETER. MR. W. CHARLES is a BUYER of SHARES in Marke Valley,
Great Hewas, West Crinnis, Union Tin, and others. And a SELLER in
Great Crinnis, West Par Consols, East Caradon, Caylan, Albion Clay, Wrysgan Siate,
and others.—27, Austinfriars, May 4, 1855. MR. LELEAN, 4, CUSHION COURT, OLD BROAD STREET, LONDON.-BUSINESS TRANSACTED in every description of BRITISH STOCKS, FUNDS, and SECURITIES; also, BRITISH and FOREIGN MINES, Mr. Lextax has FOR SALE—20 Alfred Consols, £104. 20 Sortridge Cons., £2%. 10 Wheal Gill, £34. 2 Wheal Lovel, £45. 10 Bedford United, £104. 1 South Caradon, £290. 10 Wheal Gill, £34. 2 Wheal Treatway, £28. 2 Wheal Treatway, £28. 2 Wheal Treatway, £28. 20 South Crenver, £1%. R. JAS. T. TREMAYNE (late accountant in the firm of Robert Michell and Son, merchants and smelters, of Truro) begs to inform his friends and the public, that he has COMMENCED BUSINESS at the undermentioned address as a MINING, SHIPPING, and GEMERAL COMMISSION AGENT. Having had ten years' experience in general business in the above-named firm, he hopes to mest with support from his Cornish friends; and he begs to assure them that any business entrasted to him shall meet with due care and attention. Mr. Jas. T. TRUMAYNS has made arrangements for being regularly furnished with the best information regarding the mines of Devon and Cornwall. Agent for Scawwater Saw Mills and Turning Factory, Truro. 23 M. R. R. TREDINNICK, BROKER and DEALER in BRITISH
MINES, SHARES, and STOCKS IN GENERAL. PUBLISHES, from the
commencement of May next, a WEEKLY CURRENT LIST OF PRICES of a judicious selection of DiVIDEND, PROGRESSIVE, and boss fide SPECULATIVE
COMPANIES, with other statistical and valuable information, including his Synopist of British Mining for the past Nine Years. Subscribers, 52 2s. annually, including
postage; or 1s. per List.

Brokerage Offices.—4, Austinfriars, London.
Inspecting and Mapping Offices.—Camborne, Cornwall.

May 11, 1855.

Publishing Offices.—19, Great St. He'en's, London. GREAT ONSLOW CONSOLS MINES.
MOUNT'S BAY MINES.
PERRAN CONSOLS MINES.
PENQUEAN SLATE QUARRIES.

OTICE.—I beg to inform the shareholders in the above adventures that I resigned the office of SECRETARY the 18th April, 1855.

35, Castle-street, Liverpool.

JOHN HARRISON. MINING, MINING MACHINERY, &c.—PLANS and SECTIONS
MADE TO ORDER, with NEATNESS and PROMPTITUDE, by Mr. EVAN
HOPKINS, Jun., 38, Thurlos-square, Brompton.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENGLAND, IRELAND, SCOTLAND, or WALES. No objection to take the management of any mines in the neighbourhood of Tavistock. MR. ADAM MURRAY, F.G.S., CONSULTING MINING MINING OBALT AND NICKEL.—ALFRED SENIOR MERRY,
REFINER AND PURCHASER OF COBALT AND NICKEL ORES,
AND YER IN GENERAL.—Address, LEE CRESCENT, BIRMINGHAM. TICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, MILL STREET, BROAD STREET, BERMINGHAM.—STEPHEN BARKER begre to inform the Trade that he has the following articles for sale:—REFINED METALLIC NICKEL OXIDK OF COBALT. WIRE, &c., REFINED METALLIC BISMUTH. GERMAN SILVER—IN INGOTS, SHEET, NICKEL AND COBALT ORES PURCHASED.

BBOTSON BROTHERS AND CO., SHEFFIELD, STERL AND FILE WORKS; also COMMISSION MERCHANTS for the SALE and PURCHASE of every description of MACHINES and MACHINERY, and every article used by engineers, too numerous to enumerate in an advertisement. WEST CORNWALL RAILWAY COMPANY.—Notice is hereby given, that a MEETING of the shareholders in this company will be HELD at the offices of Mr. W. S. Dew, No. 67, Moorgate-street, in the City of London, on Monday, the 14th day of May inet, at Two o'clock, for the purpose of taking such steps as may be deemed expedient for securing the better management of this undertaking, and for protecting the interests of the shareholders, whose communications on the subject may, in the meantime, be sent to the above address.

COLONIAL BANK.—Notice is hereby given, that a SPECIAL GENERAL MEETING of the proprietors of the Colonial Bank will be HELD on Thursday, the 24th day of May, 1855, at the London Tavern, Bishopsgate-atreet, to receive the corporation to apply for a Supplementary Charter, to enable the corporation to apply for a Supplementary Charter, and the supplementary Charter, to enable the corporation to apply for a Supplementary Charter, and the supplementary Charter and the supplementary Charter and the supplementary Charter and the supplementary Chart

RAIGWEN MINING ASSOCIATION.—Notice is hereby given that a SPECIAL GENERAL MEETING of the adventurers will be HELD at the offices of Messrs. Harding and Pullein, 4, Lothbury, on Thursday, the 17th day of May inst., at Twelve o'clock precisely, to consider the propriety of visitativing the association forthwith, and to authorise the sale of the lease and materials on the mine

The Dragon Silver-Lead Mine.—Notice is hereby given, that a Special General Meeting of the adventurers in this mine will take Place at the London Tavern on Monday, the list of May, for the following parposes:—To receive and consider a report from the committee of management; to consider the expediency of making a call upon the present shares of the mine, or of increasing the number of the same; and on no other business. The chair will be taken at Twelve o'clock precisely.—May 1, 1855. E. STEPHENSON, Chairman,

TRELEIGH CONSOLIDATED MINING COMPANY.—The Directors hereby give notice, that a CALL of FIVE SHILLINGS per share has this day been made upon the NEW SHARES in the above company (making 10e, per share on the £I shares), and that the same must be PAID at the effice of the company, as under, on an before Wednesday, the 30th May next.

The certificates must be produced, to have the call endorred on them.

By order of the Board,

WM. NICHOLSON, Sec.

57, Old Broad-street, April 25, 1835.

TOTICE TO INVENTORS AND PATENTEES.—The OFFICES for PROCURING PATENTS are REMOVED to No. 32, ESSEX STREET, STRAND, LONDON, whore all information (British and foreign may be obtained gratis.—Araxy, Ballaron, Gazangasat, and Co., patent agents and negociators, 27

EORGE MOORE HAS FOR SALE,

3 Arthur, £16\(\pmu\). 20 Great Sortridge, £\(\pmu\).

3 Bedford United, £10.

3 Bedford United, £10.

50 Vale of Towy, 19a.

50 Cwm Darren, 3s. 3d.

10 East Wheal Vor, 7s. 6d.

5 Great Wh. Alfred, £14.

10 Porkellis United, £2\(\pmu\).

5 Great Wh. Alfred, £14.

10 Porkellis United, £2\(\pmu\).

5 West Alfr. Cons., £2\(\pmu\).

5 West Alfr. Cons., £2\(\pmu\).

5 West Alfr. Cons., £2\(\pmu\).

10 Wheal Jane, £9.

5 West Frovidence, £6.

5 West Alfr. Cons., £2\(\pmu\).

10 Wheal Jane, £9.

5 West Francis, £17\(\pmu\).

Subject to 2\(\pmu\) per cent. commission.

George Moore is a BUYER of 3 East Basset, £40; 20 Langford, 10s.; 2 West Providence, £10\(\pmu\); 1 North Robert, £25.

George Moore is a BUYER of 3 East Basset, £40; 20 Langford, 10s.; 2 West Providence, £10\(\pmu\); 2 West Providence of the sale.

Business transacted in every description of British and Foreign Mines; and the closest prices forwarded on application.

1, Crown-court, Threadneedle-street.

MAR. T. P. T. HOMAS begs to inform his friends and the public

N. T. P. THOMAS begs to inform his friends and the public to his present business of MINE AGENT that of an AUCTIONEER for the SALE, BY PUBLIC COMPETITION, of MINING PROPERTY.

Mr. T. P. THOMAS reminds parties that his wish is to have his sales bone fide; and those having shares put up with reserved prices will please understand that his charges are for buying in shares under £2, 2½ per cent., and over that sam 1½; his charge for selling being double those rates. References given and required to and from parties opening new accounts.

Dividend and established shares bought and sold privately at the closest press. Mines inspected and reported on by the most experienced agents.

Mr. T. P. Thomas trusts that his experience as a mining agent, and the confidence and support he has received from the leading shareholders in Cornwall, London, and elsewhere, for the last 12 years, will be a guarantee that all property placed in his hands for sale will be disposed of to the best advantage.

TOHN ROBERT DIKE AUCTIONEER AND SHAREBROKER.

hands for sale will be disposed of to the best advantage.

75, Old Broad-street, London, May 11, 1855.

JOHN ROBERT PIKE, AUCTIONEER AND SHAREBROKER, WILL SELL, BY AUCTION, at the Mart, Bartholomew-lane, on Wednesday, the 16th day of May, the following MINING SHARES:

50 South Grenver.

50 South Bog.

100 Clara (Cardigan).

10 Stray Park.

100 Leeds Town.

10 Great Sheba.

10 Kara (Cardigan).

10 Hary Great Consols.

10 Trelawny.

10 Mary Great Consols.

10 Trelawny.

10 Mary Great Consols.

10 Trelawny.

10 East Vor.

1 Trelawny.

10 Mary Great Consols.

10 Trefasis.

1 Butterdon.

1 Brynford Hall.

20 Wheal Golden.

5 West Trowan.

10 Trefasis.

1 Brynford Hall.

10 Trefasis.

1 East Rosean.

1 East Bosean.

1 Treswer.

10 Was Busprise.

10 Nant-ar-Nelle.

21 Treleigh Comols.

22 Wheal Surprise.

23 North Downs.

24 Treman.

25 Treleigh Comols.

26 Wheal Margery.

27 Treleigh Comols.

28 West Providence.

28 Trannack Consols.

100 East Tannar.

100 Cand Trannar.

10 Wheal Albert (lead).

20 Wheal Albert (lead).

21 Trewotha.

Catalogues and further particulars can be had on application at the offices of the auctioneer; and the purchase or sale of shares negociated at a commission of 2% per cent.—South Sea Chambers, Threadneedle-street, May 11, 1855.

HENRY ENGLISH (DECRASED).—All persons having CLAIMS against the ESTATE of HENRY ENGLISH, formerly of Templeogue, near Dublin, and late of No. 3, Egerton Villas, Douglas-road, Islington, Middlesex, and also of Shorter's-court, Throgmorton-street, and 25, Fleet-street, London, Esquire, deceased, are requested to SEND the particulars thereof to Mr. Sawuer Rayen, of 15, Chancery-lane, London, solicitor to the executors; and all persons INDEBTED to the said estate are requested to PAY the amount of their respective debts to him In

MINERAL PROPERTY IN SCOTLAND.—WANTED TO RENT, upon royalty, a MINERAL ESTATE in SCOTLAND, for the purpose of working the mines either for copper or lead.—Parties having such property to dispose of are requested to furnish full particulars to "Miner," Mining Journal office, 26, Floet-street, London.

WANTED, for GONAMENA MINE, an ENGINE, either with, or suitable for, crusher and stamps.—Offers, accompanied with the needful articulars, may be addressed to the purser, Expur. A. Chouces, Liskeard.

[N.B. This advertisement will appear but once.]—Liskeard, May 9, 1855.—43

WANTED, 50 fms. 8 in. PUMPS, with H-piece, doorpiece, wind-bore, &c., or any part. Also, TWO 4 ft. CAPSTAN SHIEV&S, with bear-ings, &c., complete.—Apply immediately, stating lowest price, to Mr. War. Warson, Well Park, Calstock.

WANTED, FOR IMMEDIATE CASH, SHARES in Alfred Consols, Great Alfred, Great Wheal Baddern, Treweths, Wheal Wrey, Wheal Buller, Bell and Lamarth, Marilyn, Wheal Golden, Orsedd, Molland, Cwm Darpe, Lassan Lead.—Address, with lowest price, to "A. B. C.," 20, Royal Exchange. 43

OKEL TOR MINING COMPANY.—FOR SALE, TEN SHARES in the above company, price 23s, per share.—Address, "G. Z.," Mining Journal office, 26, Fleet-atreet, London.

NOR SALE.—50 Shares Wheal Langford, 10s.; 20 Shares Dyfngwm, 28; 30 Shares Dairhiw, 25 10; 100 Shares Coed Mawr Pool, 24 10s.; 100 to 500 Trannack Consols, 10s.

INSURANCE AND GAS SHARES.—40 Maritime Insurance Shares, 21s. paid, dividend 5 per cent.; 40 Shares National Provincial Fire, 20s. paid, 5 per cent. payable 30th inst.; 50 Shares European Gas, 5½ per cent. 220 paid, 5 per cent. payable 40 hinst.; 50 Shares European Gas, 5½ per cent. 220 paid, 5 per cent. payable 40 hinst.; 50 Shares European Gas, 5½ per cent. 220 paid, 5 per cent. payable 40 hinst.; 50 Shares European Gas, 5½ per cent. 220 paid, 5 per cent. 25 paid, 5 per cent. 25 per cent

(OPIAPO MINING COMPANY.—Notice is hereby given, that the DIVIDEND of ONE POUND per share, declared at the half-yearly meeting of shareholders, held on the 23d March last, will be PAYABLE on and after Monday, the 28th inst. The Serip Certificates, with coupons, must be left at the office three clear days to be examined.

By order of the Board,

New Broad-street, London, May 4, 1855.

EDWARD J. COLE, Sec.

MEXICAN AND SOUTH AMERICAN COMPANY.—The SECOND INSTALMENT of TWO POUNDS per share on the additions shares in this company is to be PAID to Messrs. Barelay, Bevan, and Co., No. 5t Lombard-street, on or before the 31st inst.

HYDE CLARKE, Sec., 17, Gracechurch-street, May 12, 1855.

MARIQUITA AND NEW GRANADA MINING COMPANY
The THIRD GENERAL ANNUAL MEETING of the shareholders in Tavern, Bishopegat

Notice is hereby given, that the ANNUAL GENERAL MEETING of the shareholders of this company will be HELD at the offices of the company, ill, New Broad-street, in the City of London, on Monday, the 14th day of May inst. All past One o'clock in the afternoon precisely.

By order of the Board, 11, New Broad-street, May 3, 1855.

CULCHOTE COPPER MINING COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders in this company will be HELD at their offices, No. 28, Poultry, on Monday, the 21st inst, at Twelve of colock at noon, for the purpose of, receiving Professor Ansterly report on the property, and arranging the best course for the future development of the mine.—28, Poultry, May 3, 1855. JAB. SEAL, Sec. 72

IBERTY MINING COMPANY.—The FOURTH ORDINARY GENERAL HALF-YEARLY MEETING of this company will be HELD at the London Tayers, Bishopsights-street, on Wednesday, the 30th day of May inst., at One o'clock precisely.

By order of the Board,

Company's Office, 62, Moorgate-street, May 10, 1835.

A GUA FRIA GOLD MINING COMPANY.—At the ADJOURNED GENERAL MEETING of the above company, this day, it was
announced that the andecriptions to the Debenture Fund amounted to £10,500; and
that the LIST would REMAIN O'PEN until SATUBDAY, the 12th inst, in erder to
complete the sum of £15,000 authorised to be raired. The debentures, with the interest of 15 per cent, and a houns of 50 per cent, constitute a first charge on the
property and profits of the company; and applications for the reunalizing sum of
£4440 should be addressed to the secretary on or before that date, and will be admitted
in order of priority if the amount be tembered for by an earlier day.

By order, WILLIAM J. VIAN, sof

Office, 8, Old Broad-street, London, May 7, 1885.

ON THE MANUFACTURE OF STEEL, AS CARRIED ON IN THIS AND OTHER COUNTRIES.

The manufacture of steel is of great antiquity, coeval, if not anterior, to that of iron; it was known to the Chaldeans, the Hebrews, and the Greeks; the processes they are said to have used are detailed by Aristotle, Pliny, and Plutarch, but they are so obscure and contradictory that no reliance can be placed upon them. It appears most probable that steel was, in the first instance, produced accidentally, whilst attempting to obtain iron. This question is, however, more curious than useful; I will, therefore, dismiss it, and turn to the subject before me. Steel is a carburet of iron, more or less freed from foreign matter; it can be produced by two processes, opposed to each other; the first, or earlier method, is by working pig-iron, which on an average contains 4 per cent. of earbon, in a suitable furnace, until the carbon it contains is reduced to that quantity required for steel, which is 1 per cent. The second method is to heat wrought-iron in bars (which contain little or no carbon), in contact with some carbonaccous matter, until it has absorbed that quantity of carbon which may be required for hard or soft steel purposes.

The various kinds of steel which are now manufactured in this and other countries are:— The manufacture of steel is of great antiquity, coeval, if not anterior

NATURAL, OR RAW STEEL, which is manufactured from crude iron as stained from the blast-furnace;

Obtained from the blast-furnace;
Cementer, or Convented Steel, which is produced by the carbonisation of wrought-iron;
Cast-Steel, which is obtained by the fusion of either natural or comented steel, principally from the latter.

In the manufacture of steel, the quality of the iron from which it is made is of the first importance; it is absolutely necessary that it should be free from earthy matter, silicate of the metal, sulphur, arsenic, &c. Any foreign matter contained in the iron is very injurious for steel purposes, but the silicates are, in my opinion, the most deleterious, since they produce a red short quality, caused by their mechanical mixture with the carbonised molecules of the steel, and thus destroying the malleability of the mass. The mines of Danemora have, for many centuries, enjoyed the highest reputation for producing iron of the finest description for steel, and they alone should be used for producing the very best cast-steel: their high reputation and scarcity have combined in commanding for them a very high price.

The marks 9.G. 00, are made whelly from Danemarker.

The marks O.G. 00, are made wholly from Danemora ores; the marks The marks **O.G.** OO, are made wholly from Danemora ores; the marks **G. W. A.** Grid, and some others, receive only a portion of these ores mixed with others in their manufacture. Sweden produces also a large quantity of iron suitable for steel, but of inferior rank to the above; they are technically termed 2d and 3d marks. The ores from which the Swedish irons are produced are almost wholly black oxides, usually containing 50 to 60 per cent. of metal; they are very clean and pure, and might, if properly manufactured, produce finer iron than that generally obtained; their works are, in too many instances, badly constructed, and the manufacture itself is so far from being perfect that there is a great unnecessary waste in the manufacture of the pig-iron into bars, and also in the quantity of charcoal necessary to produce a ton of iron; nevertheless, these commoner irons are sold for steel purposes. Recently some of the Swedish works have introduced our English charcoal refineries, and our mode of working, by which a sounder iron is obtained, and one free from adventitious matter. The price of (a) is 364.; **G.** 334.; **OO**334.; **G.** and

ventitious matter. The price of @ is 36L; G 33L; OO 33L; G and 32L; 33L; Grid and Stembuck, 24L; the iron called 2d marks vary in price, according to their intrinsic quality, from 26t. to 18t. The 3d marks from the latter price as low as 16t, per ton. Russia sends also a large supply of iron for steel purposes, of which the marks KD and IOPS from the mass, being from 6000 to 7000 tons annually. This iron is of good medium quality, and sells readily at from 17t. to 19t. per ton. It is manufactured in the Ural district of Russia, by the usual charcoal-refinery process. A part appears, however, to have been puddled, using wood for fuel. In 1830 it was a question whether a puddling furnace could be so constructed as to admit of the use of wood. Berzelius was of opinion that it could not. During my residence in Styria and Carinthia, in 1832, I erected a puddling furnace at the works of Mr. Rosthorn, in Wolfsberg, in which wood was used as a fuel. I experienced no difficulty in working it, and it produced very good iron, with a large economy of fuel when compared with the charcoal-refinery process. In this furnace I puddled 30 cwts of charcoal iron in 24 hours. During this time I consumed 180 cubic ft. of wood, as usually measured in the forest, equal to about 1½ cord our measure. The blooms hammered very solid, and the waste 10 per cent. The furnace was a small one, and the fire-room much larger than that used for coal. Since this trial, several works have used the process, both in Sweden and Austria, but it has not become general. By this plan an excellent steel iron can be produced. Steel iron may also be produced direct from the rich ores of this and other countries. For this process Mr. Clay obtained the first patent; it was tried in Liverpool, but was unsuccassful, first, because he could not sufficiently deoxidise the ore, and subsequently, in its manufacture into malicable iron he ould not get rid of the earthy matter—this process has not been worked, although perfect in other care and the reader of the reader of the care and the care of t in price, according to their intrinsic quality, from 26t. to 18t. The 3d marks from the latter price as low as 18t. per ton. Russia sends also a large supply of iron for steel purposes, of which the marks Kb and IOPS from

With very trifling exceptions, the whole of this iron is used for steel. The above figures give an average importation for ten years of 26,011 tons, to which we must add the importation from Russia and the steel now made in England. I, therefore, estimate the weight of steel manufactured in England at 40,000 to 50,000 tons annually.

The fuel used in England for the manufacture of steel is entirely coal and coke. Coal is used in the converting furnace for heating the cases which contain the bar-iron during its process of cementation. In a properly constructed furnace one ton of good hard coal is consumed in the conversion of one ton of iron, thus representing a consumption of 40,000 to 50,000 tons per annum for this purpose.

Coke is used in the melting process—the consumption is on an average 65 cwts. per ton of ingots; although all iron is converted, and we can thus obtain the consumption of fuel, yet we have no means of exactly ascer-

produced in Styria, by a peculiar method; cemented or converted steel; cast-steel, obtained by melting steel; puddled steel, obtained by puddling pig-iron in a peculiar way.

Natural or German steel is so called because it is produced direct from pig-iron, the result of the fusion of the spathose iron orce alone, or in a small degree mixed with the brown oxide; these ores produce a highly crystalline metal, called spiegle-cisen (looking-glass iron), on account of the very large crystals the metal presents. This crude iron contains about 4 per cent. of carbon, and from 4 to 5 per cent. of manganese. Karsten, Hassenfratz, Marcher, and Reamur, all advocate the use of grey pig-iron for producing steel; indeed, state that first quality steel cannot be produced without it—that the object is to clear away all foreign matter, by working it in the furnace, to retain the carbon, and combine it with the iron. This theory I hold to be incorrect, although supported by such high suthorities; grey iron contains the maximum quantity of carbon, and, consequently, remains for a longer time in a state of fluidity than iron containing less carbon; the metal is then mixed up with not only the foreign matter it might itself contain, but also with that with which it might become mixed in the furnace in which it is worked; this prolonged working, which is necessary to bring highly carbonised iron into a maleable state, increases the tendency to produce silicates of iron, which entering into composition with the steel during its production, renders it red short; again, by this lengthened process, the metal becomes very tender and open in tig grain; the molecules of silicate of iron which are produced will not unite with the true metalic part; and also, whenever the molecular construction of iron or steel is destroyed by excessive heat, it becomes unmaleable; both these are the causes of red shortness, and also the want of strength when cold.

[To be continued in next week's Mining Journal.]

[To be continued in next week's Mining Journal,]

structure of time or stead is advertoped by seconosity what, the becomes numble their, both them on the cause of the desires, and the street of the first of the street of the stre

IRON SMELTING.—A correspondent of the Practical Mechanics' Journal says, that Mr. T. Sellick, of the Sussex Zinc Mines, New Jersey, has recently perfected a new process for fusing the ore known as Franklinite, whereby the iron comes out of the furnace a boautiful and excellent pig, worth 550 per ton; whilst the sine is sublimed and condensed as a yellowish-white powder, worth in that form 5100 per ton. One hundred tons of this ore, as picked up in boulders on the surface, yields about 20 tens of iron and 30 tons of the rine powder, the latter being chiefly used for paint. The single furnace now in use is represented as capable of fucing about 10 tons of ore per day.

ADAME TUSSAUD'S EXHIBITION.—A very beautiful and highly classical portrait model of the late Emperor Nicholas has just been placed in the great room of this establishment. The figure of the Emperor is represented in the uniform of the Guard Noble—the coat white, with red facings, splendidly embroidered in gold; ouirass of highly pollsbed steel, embossed with gold; high boots, de. It was lately executed in Paris, under the immediate superintendence of Mesers. Tussaud, and is certainly one of the best and most interesting models in the exhibition.

taining the weight of cast-steel manufactured annually in England. I should estimate it as from 25,000 to 30,000 tons—this would give a consumption of 81,000 to 97,000 tons of coke; and assuming that the coal will produce 60 per cent. of coke, it will represent a consumption of 113,700 to 136,500 tons of coal.

In Germany, France, and Austria, with trifling exceptions, steel is produced in a furnace similar to the charcoal rednery; it is termed raw-or natural steel, deriving its earbon from the metal from which it is produced. Charcoal is the fuel used; the quantity is very variable, depending in a great measure upon the dexterity of the workman; we may, as a general average, estimate the consumption of 240 bushels per ton of raw steel produced. Having laid before you an estimate of the raw material used in the manufacture of steel, I shall now proceed to explain the processer which are used in various countries. The kinds of steel which are manufactured are:—Natural steel, called raw steel or German steel; Paal steel, produced in Styria, by a peculiar method; cemented or converted steel; cast-steel, obtained by melting steel; puddled steel, obtained by melting steel; puddled steel, obtained by puddling pig-iron in a peculiar way.

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Site Journal yoe have measure upon the design subjects broughts worthing steems Number of the Mochanies Journal yoe have measure upon the design of the Mochanies Journa WORKING STEAM EXPANSIVELY—CRADDOCK'S ENGINE
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THE STEAM, THE ALL AND THE MINIST JOURNALL

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rangements to guide and modify at pleasure their mutual influence, so as obscure a send aimed at.

In the condensation of the steam by the atmosphere stands first, as when the value such result is fully understood, it will be considered by all, as it has always beame, to be the most valuable of any of the numerous improvements that I have make the steam—engine. This is accomplished in a thorough and effective manner. If she been tested for seven years, and found to give a vacuum of from 22 to 24 inches mercury, even with steam used in the cylinders at 80 lbs. on the inch, the pure value and recompany, or even greater, may be obtained by these inventions, in any situation are cone gallon of water per horse-power per day can be obtained, than the Cominion is capable of in the comparatively few situations it is suited to, and although the true, as Arago says in his life of Watt, that "the author of any discovery has better the comparatively few situations in suited to, and although the true, as Arago says in his life of Watt, that "the author of any discovery has a respect to the comparatively few situations it is suited to, and although the true of the comparatively few situations it is suited to, and although the true of the comparatively few situations is factor, with the obstinate parant of whatever is ancient, and finally, with those whose are joalous, and these three sees united form the great majority of the public;" yet the facts will by their outing their opposers, if in no other way) convince mankind in general of their rails, owill then feel surprised that such things should have been offered in vain for any years.

ble us with safety to generate steam from 10 to 500 to 100.

The next in order is a regulating damper, by which the most perfect control our generating of the steam in the boiler is obtained.

The engines are also designed so as to be simple, compact, and suited to convert in the control of the steam of the steam.

The construction of the steam-valves is so improved, and the pressure upon that overned, as to give the greatest efficiency with the smallest possible were of its coverned, as to give the greatest efficiency with the smallest possible were the doublest forms.

6. The construction of the steam-varies as improved, and the special of moving the load as if two distinct engines were used, as in the present matrix practice, thereby removing the objections to double-cylinder engines for maria practice, thereby removing the objections to double-cylinder engines for maria.

surposes.

5. The connecting rods and other parts are so arranged that we get a connecting of the connecting rods and other parts are so arranged that we get a connecting connecting rod engine occupies as little room as the oscillating engine, will its disadvantages.

9. By a simple mode of constructing the cylinders and cylinder casing, the well-greatest is protected from being condensed in its expansion in the engine until its disadvantages.

By a simple mode of constructing the cylinders and cylinder casing, the working steam is protected from being condensed in its expansion in the engine until it instead on its the cylinder.

10. The combination of the evaporative principle in conjunction with my simely period of condensation of the evaporative principle in conjunction with my simely period of confension of the injection water by the same means, if desirable to do so.

12. An improved boiler for portable purposes, containing the largest possible amount of surface with the least weight, and safe with any pressure up to 400 lbs. These boilers can be made equal to 10-horse power, and yet not above 10 c to mode to all the steam and regulate the speed of the engine in a far more complete and conominal manner than by the throttle viave, the engine itself regulating the cut off of the expansive vaive, or, if desired it may be done by had.

In the foregoing separate combinations I have included several of minor imperiant, such as the control of the contr

in practical detail which long experience and continued manufactures only a separate property of the property

NEW BORING APPARATUS FOR ARTESIAN WELLS NEW HORING APPARATUS FOR ARTESIAN WHILE.

of Lowell (Mass.), has recently patented on arrangement for boring we of a boring cylinder with a cutter at its lower end, and an adjustable periphery, for enlarging the hole, so that the auger cannot bind when that the tube intended to line the hole can easily follow the opliader of allow the auger to be drawn up, by the shutting of the enlarged cutter also claims a metallic chain of brackets, in combination with, as

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Original Correspondence.

TREATMENT OF GOLD-BEARING MINERALS, &c.

TREATMENT OF GOLD-BEARING MINERALS, &c.

Ex.—I do not usually reply to anonymous correspondents. I should not in the use of "P. R., Newcastle," had not that gentleman stated that I deal more with shales than substances. (As to Mr. Calvert's plans and processes I know nothing, dilser on the large or small scale; so, therefore, I am in no way accountable for the manner in which "P. R." had carefully read my communications he would find that I had operated on the large of so doing. It is true that I have not any machinery for carrying out my processes retected at any mine, but I hope to have such shortly, and shall then be prepared to show that with the same material the same result can be obtained at the mine as in my works in London.

And this brings me to the assay of samples. The varying result obtained by different stayers on apparently the same sample is doubtless very perplexing, but only to those who have not fully examined the subject. The variation may arise—lst, sample. The first cause is that which usually prevaile, and is caused by the absolute difference of sample; or, 2d, from the want of care or skill in the sample. The first cause is that which usually prevaile, and is caused by the absolute difference of sample; or, 2d, from the want of save of the absolute of the sample of a gold-bearing mineral. In the bulk of the sariferous minerals the gold is invisible; and, if a stone, say of quartz containing mostice or any other mineral, or mundie, &c., nearly pure, be taken into two qui pieces, one piece may contain but traces of gold, and the other may be very mine indeed, the gold is most unevenly disseminated in all the minerals containing it. I have made several hundred assays, for the special investigation of this question, and am perfectly convinced that a fair sample of a gold-bearing mineral cannot be obtained, unless three or four tons are broken up as fine as hemp seed, the whole will mixed, and about 1 owt. of the mixed cample taken and ground to fine powder, that significantly interest in dif

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DR. COLLYER'S MACHINE.

The part mills in Grass Valley, California. On referring to Gier's mill, he says, "Engise removed,"—" Dr. Collyer's patent,"—" Abandoned." Any one would suppose, fou reading this statement, that Mr. Glen had adopted my machinery, and was chigged to shandom it.

The facts of the case, however, show a very different result. Mr. Glen, in 1852, had for many months ceased to work his machinery, which consisted of six heavy stamps' heads. I hired the engine and boiler, in order to test my first experimental machine, which had been manufactured in San Francisco. At great expense and lize ferested it, and prosecuted a series of experiments, so as to practically proven it effects of a small scale, which was acknowledged by the miners to reduce the yeart to a much finer consistence than any apparatus hitherto creeted. However, isosa found that it admitted of great improvements, especially in the amalgamating espariment; and, instead of employing the crushing rollers to move horizontally, it miscitated the sliding, rubbing motion on a large scale. This improvement was not carried into effect until my arrival in New York, in 1853, where the first full sixed light hardest cree at the rate of 1 ton the hour, with the expenditure of not more had lishore power, that Messra. Breasted and Secon, of the Allaire Works, published the following:—

"We have examined your quartz-crusher and amalgamator, and have seen it in the following:—

"We have examined your quartz-crusher and amalgamator, and have seen it in formation, and can with great pleasure state that it is the only thing of the kind we have just seen that is at all calculated to grind or crush quartz rock, or any other lard substance, to a fine powder, and your machines have done it to admiration."

Machines were sold, and are now at work successfully in North Carolina. On my surival in England Messra. Ransomes and Sims entered into a contract to build a large sized machine. Large quantities of quartz and other rock have been sent down to powich, an

hi km to publish a lengthened testimonial, from which I extract the last sentence, is follows:

"We can speak with confidence that, as a mechanical arrangement for crushing had substances to a fine powder, nothing that we have seen equals the plan of Dr. Calipris machine."

In fac, I can confidently say that it surpasses overy other machine in the quantity duality of work done, with the employment of equivalent power. The power to drive aset of stamps' heads which would reduce 20 tons of hard rock so as to pass a screan of 2500 meshes to the equare inch, would reduce with my machinery at least Is tons, or one-fifth more. From the great amount of material reduced, it is found that the parts have a uniform wear (not the case with the stamps), and can be easily replaced, at but little expense.

tive a set of stamps' heads which would reduce with my machinery at least seren of 2500 meshes to the square inch, would reduce with my machinery at least strens of 2500 meshes to the square inch, would reduce with my machinery at least strens of 2500 meshes to the square inch, would reduce with my machinery at least 15 tens, or one-fifth more. From the great amount of material reduced, it is found that the parts have a uniform wear (not the case with the stamps), and can be easily rejuced, at but little expense.

Independent of the testimony of two of the first engineering firms of Great Britain and the United States, all competent judges, who have witnessed its operation, detite that it surpasses all machinery yet invented for the reduction of minerals.

Had in to been for the inactive condition of the mining interest, produced by the varied other causes. Messrs. Rancomes and Sims would have errected it in London, in ovier that mining engineers might be able to judge of its merits; for as yet, with the exaption of Mr. John Taylor and Mr. Josh. Gibbs, none have seen it who are competent to give an opinion. Those gentlemen expressed themselves in the most usualified terms of approbation.

The smalgmanting parts of the machine have undergone considerable improvements, and it is now as perfect as I would desire—saving all the gold contained, to within a few years, in each ton of ore.

It is evident, that if any abandonment took place of the machine in Galifornia, it vands by myself, as no one else had any interest in the said machine. As I have and by myself, as no one else had any interest in the said machine. As I have and by myself, as no one else had any interest in the said machine. As I have and before, it was erected merely as an experiment; for there is no other way of obtaining knowledge of the subject than practically at the miner. I feel persuaded that if one of my machines were to be at work in Cornwall, or any other mining district, the sonony of power, expense, and rapidity of execution experienced

THE EARTH, AND ITS FORMATIONS.X

THE EARTH, AND ITS FORMATIONS.

big.—in accordance with my promise, I resume my remarks on what I believe to a the true theory of the carth's working laws, and its containing minerals in solution; and I think Messrs. Mushet, Hopkins, and many others, including Messrs. Caluri and Michael, are all but converts to that doctrine. They may twist it, and call it y that manes they like: it is mineral in continual movement—in fact, not only the miserals are very substance that constitutes the component parts of the earth, samon or less through the earth in solution. I am not going to argue that it is discovered by the minerals become find tery far above water, and long since the rocks have reared their aged forms to be a superior of the substance of the superior o

the earth, as I notice, in all our deep mines (say, those of 300 fathoms), that we find all the oxides considerably fallen off. I know it is a general belief that the deeper we go the better the lode. This is known to be wrong by all thinking Practicals. They know well that the ore is falling off in all the deep mines. It is not unlikely that all minerals are in solution at about that depth of 500 fathoms. It is not unlikely that all minerals are in solution at about that depth. Practicals will also notice that, as we descend, the water decreases, and becomes more strongly mineralised—in fact, so highly mineralised, that the miners will not attempt to drink it.

All high land is found to be formed from fast crystallising substances. The majority of their bases are silicious substances. Every thing in nature has an upward tendency, to meet the air and light. Man, though bred to it, when about to descend, feels an unpleasant sensation; and, in ascending, the very light, long before he reaches the surface, cheers him.

Having concluded my remarks on all substances passing through the earth in solution, I next week intend giving my views as to what rocks have the greatest affinity to attract copper and tin, and to cause them to crystallise and become fixed.

REMARKS ON PRACTICAL MINING.

REMARKS ON PRACTICAL MINING**.

Invinge concluded my remarks on all substances passing through the caret in solutions and the content of the co

would not know half the lodes worked on in mines from a flaw in the stratification to the color of the color and t

minute service could cause these variable faults?

If a many were thrown up by interior neat, the same floors in a mountain would be all at the same level; but in the same mountain may to the control of the control o

THE COST-BOOK SYSTEM, AND LIMITED LIABILITY.

THE COST-BOOK SYSTEM, AND LIMITED LIABILITY.

Srs.—With reference to the remarks of Mr. E. A. Crouch, on the Cost-book System, of I have to say that if shareholders can retain the right to participate in profits created by the capital they have not subscribed under the Cost-book System, it is another reason why it should be abandoned. It would be the duty of the committee of any mining company, issuing fresh shares on the plan I suggested, to see that the whole of them were disposed of, either to the shareholders or the public, provided the control of the lith of April, which exactly expresses my own views on the subject of cost-book mining: without repetition of that letter, I trust that the following extracts may reach those interested in mines, and cause them to pause before investing espital in cost-book mining: without repetition of the letter, I trust that the following extracts may reach those interested in mines, and cause them to pause before investing espital in cost-book mining: without repetition of the letter, I trust until the company to compensate him for the risk, tither in a commercial or enturial point of view. If unsuccessful, we also know, from too sad experience, that he may be utkerly ruined, and parish, perhaps, in a debtor? price, by the unlimited, and in most cases and the control of the principal desires while attaches the control of the principal desires. Will necessful expensable for any misappropriation of the funds of the common of the principal feature of mining; cornais merchants are, of course, interested in the tornator of the control of the principal feature of mining; cornais merchants are, of course, interested in the formation of cost-book mining company, got up merely for the purpose of filling the pockets of rapacelous Cornishmen, as an honourable display of the principal feature of mining; cornais merchants are, of course,

been for the date-group, angreeon, the continuence and the permanence of the Cornish merchania, by unlimited liability, and by the "Oost-hook System."

May 7.

ON THE TREATMENT OF LEAD,

Sin,—Insemuch as some reforms are necessary in the surface or water treatment of the and copper, the same will be found in lead, some of which I shall endeavour to incle in the present letter. About half a contra visione the greatest quantity of lead was found in a soft-natured stratum, of the clay-slate sharacter, similar or ramabulon, and many others not of a very high produce, being hieldy pip or dice lead. Since them it has been discovered, containing a greater portion of silver, in harder stratam, and drieg ground, similar to those estauated in the Tenara, Lisbeard, and Videressing the former was with types and large streams of water, which must appear to every one who theroughly examines it quite destructive to the latter, however man suited its was to the former; but still, I tregret to say, in a great measure, the same system of the contract of the superior. Above, I think it say, and the more so that which contains a great portion of silver in the superior of the superior

GOLD IN WALES—GREAT CAMBRIAN MINE.

Sin,—Having received instructions from the committee of management of the Great Cambrian Mine to take from their gold lode 10 cwts. of auriferous quartz, for the purpose of testing its evanmercial value, I have snuch pleasure in forwarding you, for the benefit of those interested in the question of gold in Wales, the result of my trials, with some remarks upon the same. The lode from which the 10 cwts. of ore was taken is called No. 6, running cast and west, about 4 ft. wide, and is a hard white quartz, with strings of clay-slate and iron pyrites disseminated through it. A level has been driven on the course of the lode, and has laid open the morth side of it for about 20 fms.; 4 fms. from the forebreast gold is distinctly seen here and there in strings of quartz, of about ½ inch in width, with clay-slate on each side. At 3 fms. from the forebreast, gold is distinctly seen here and there in strings of quartz, of about ½ inch in width, with clay-slate on each side. At 3 fms. from the forebreast, on the morth side of the lode, 10 cwts. of ore were broken down, showing gold in many places. I tried it in three ways—by smellting, by amalgamation, and by washing. The result given by smelting was 3 css. 5 dwts. 12 grs. of fine gold to the ton of ore; by amalgamation, after calcination, 3 css. 5 dwts. 6 grs. of fine gold to the ton of ore.

To test the correctness of the foregoing results, I assayed the ore, and found 3 css. 5 dwts. 14 grs. of fine gold to the ton. From the character of the ore, and the gold being unassociated with any other metal (a little silver excepted), there was not the least difficulty in separating the gold, both by chemical and machanical means.

Although the results are so favourable, I do not believe the whole of the lode, if taken down from wail to wail, would give so good a result; at the same time, I think there is a certainty of its being found in paying quantities.

Mr. Calvert'assays of ore from the same lode, inserted in last week's Journal, being s

NORTH BRITISH AUSTRALASIAN COMPANY.

NORTH BRITISH AUSTRALASIAN COMPANY.

Sir,—As you have opened your columns to a writer who, while professing to discuss the affairs of this company, has made your Journal the medium of personal discurresy, you will, I presume, with your usual fairness, admit a reply. I allude to a letter which appeared in last week's Journal, signed "Scrutator." He states that every shareholder present at the meeting was satisfied with the account given of the Kawau Mine, and its future prospects. If so, I congratulate the shareholders on Baving escaped the mining mania of the last three years; for if they had been under the influence of that mania, I do not think they would have been so easily satisfied. For my part, having suffered somewhat from it, I coincide in the opinion expressed by "Aliquies," that the Kawau Mine is swallowing, and has swallowed, a large amount of the shareholders' money. The prosecution of this adventure has hitherto resulted in a dead loss of nearly 50,0004, and we are now carrying on operations at a cost of 10,0004. A year, while our hopes and chances of profit are built upon the sandy foundation of a mining report.

Our mine being worked under the sea, the last production of ore was saturated with sea water, and underwent spontaneous combustion. This gave rise in my mind to the reflection; but being ignorant of mining as a science, I beg to ask the learned and well-satisfied "Serutator," if he will ensure our mine from the same misfortune that ruined the hopes of the adventurers in West Wheal Alfred? which mine being filled with water, a powerful steam engine was erected to pump to ut. Well, they pumped away with right good will for a considerable time, and at last they found—what? Why, that they had been trying to pump out the sea: that mine, like our mine, being contiguous to the sea.

"Scrutator" concludes his letter by stating that the question of remuneration to directors was discussed in an ungentiemanly manner; but what, he says, can be expected from those persons who delight in making themsel

BURSTING OF ANOTHER BUBBLE-THE ALBION GOLD.

BIL.—Your reporter was refused admission on Monday, the 30th April, to the meeting of registered shareholders (what a farce!) convened to consign this bubble to the "toub of the Capuleta," when a report was made, which is a perfect curiosity in its way, and, as such, I hope you will print it verbatim, as it is too good to be lost by curtailment:—

Ing of registered shareholders (what a farce); convened to consign this bubble to the "tomb of the Capuleta," when a report was made, which is a perfect curiosity in its way, and, as such, I hope you will print it verbatim, as it is too good to be lost by curtailment:—

The directors of the Albion Gold Mining Company regret that, in meeting the shareholders on the present occasion, they have not a more favourable account to lay before them. They are desirous, however, of submitting to their co-adventurers a clear statement of the affairs of the company, and a full explanation of the circumstances which have attended the commencement and progress of the undertaking; also to lay before them the accounts and vouchers, properly sudited, of the expenditure of the funds entravied to their management, and to take the sense of the shareholders as to the course to be now pursued. This company, projected under flattering anspices, had to contend, from its outset, with two great difficulties, each of them at that time equally unforessen; the one common to all contemporaneous and similar companies, the other peculiar to this undertaking. The company was originated at a very encouraging juncture, towards the close of the year 1837, when similar projects were the most promising aspect, but which the allored state of the money market, and depression in the public funds, upon the similar projects which the allored state of the money market, and depression in the public funds, upon the from the circemstance of one of the directors withdrawing the ame, may also the highly-respectable stockbrokers who had consented to act for the company, and another influential director, also withdraw. In this energency, the continuing directors felt it to be their duty to insert in the Times and other newspapers an advertisement, which appeared in December, 1839, apprising the various applicants for shares of these secessions from the company, and intimating that any who might be desirous of withdrawing the influence of the company, and intimat

rates of z cast, to the ton. The directors were, therefore, induced to enter into a contract for the purchase of this property for shares in the company, which appeared to offer a favourable opportunity for carry on the operations of the company with the most advantageous results for the shareholders. Suddenly, however, the accuracy of the machine and its crushing powers were openly called in question, and all the hopes which had been raised by the highly encouraging result of the trials thus made vanished. The ultimate failures of the great experiment at the Cumhoisian Mine, near Dolgelly, where four of these machines were erected, and sixty miners were constantly employed in reducing the quarts, settled the question, and deterred your directors from venturing to incur a further outlay in that quarter.

The funds originally subscribed being time exhanated, and no rational prospect of profitabily working for gold presenting itself, with the example before them of other companies which have in value expended a capital of above 100,000, each in srecting machiners no other course than to disolve this association, with the positive assurance, that should the sale of the property of the company produce a sum insufficient to pay the debts now due, the directors assume to themselves the burden of providing for them, whilst any surplus which may possibly arise from such asia, after paying such debts, and the exponses of closing the concern, the directors will take care shall be, without delay, rate-ably distributed amongst the registered shareholders.

In the course of the proceedings, it was (amongst other things) unanimously resolved.—"That this company be now, and that the same is hereby, absolutely dissolved, subject to the steps necessary to close the concern." And that the trustees be appointed a committee, "to sell and realise the proceeds of the property and effects of the company with all convenient expedition, to pay the outstanding debts, and to divide the surplus funds (if any) rateably amongst the registered shareholders, or their representatives."

their representatives."

That part marked in italies is perfectly incomprehensible in equity. The directors punish the bolders of the 1300 shares, who stuck to their colours out of the 30,000 shares, by absolutely taking the 13001, at once for advertising and preliminary expenses. A cooler proceeding has, perhaps, never been heard of. The vendor of the Californian estate (where is it?) took shares of the company (how many did he get?) and sold them for what they would bring, from 7. seek down to 4½ d., therefore saddleing needy people with waste paper, whilst they imagined they were buying scrip

which represented 1l. paid, and which then could only possibly have been deteriorated a few shillings. It is impossible to apply but one term to such proceedings. John Bull, however, will never be cured, and he rather admires the cunning by which he is generally plundered, than sympathises with the exposer and deteotor of it; whereas the latter terminates his campaign against the gold mining bubbles with the most perfect contempt of their apathy in not rising as masse to support a movement which would have caused much disgorging. I have, however, playfully laughed people out of them, and as a warning that higher game is now being tried, conclude with the first line of a popular song—"I know a 'bank,' whereon," &c.,—

Gleis, May 10.

H. Guedalla.

first line of a popular song—"I know a bank, whereon," &c.,—

H. GUEPALLA.

THE COPPER TRADE—ENGLAND AND AMERICA.

Sin,—From an analysis of a report, contained in your Journal of the 21st April, upon the copper ore imported into Liverpool during the first three months of the current year, it appears that \$20 tons and 4199 bars came from the United States. Of this amount 382 tons came from the State of Tennessee, and 438 tons and 4199 bars from the State of Michigan. The Medaliton and Eli Philiney are each reported to have brought 35 tons; they each brought 100 tons, the produce of the Hiwasee Mine. The parties who supplied you with the information upon which your report was founded must have greatly understated the amount of ore imported: the have founded must have greatly understated the amount of ore imported: the have founded must have greatly understated the amount of ore imported of the have founded must have greatly understated the amount of ore imported of the shell the rhodomontate that has the state that certain mines in the State of Tennessee are sending from 200 to 300 tons to market monthly, either talk nonsense, or design to mislead your readers, having some ulterior object in view. There may be one or two mines capable of bringing that quantity of ore to the surface, but there is not one that can bring it continuously to market opinions of learned professors, and the reported of mining capatians, are set forth to attract attention, but the art of puffing is too well understood in America to meet with much success; and hence touters and schemers, with promises in one hand and scrip in the other, cross the Attended to the property of the property of the property of the property of the control of English to the will be property of the property of th THE COPPER TRADE-ENGLAND AND AMERICA.

WHEAL TREFUSIS-AND ITS MANAGEMENT. w HEAU TREFF USES THE ACT OF THE

which I would address personally to the manager, but that his replies would centre in one but myself, and I am desirous that the London shareholders, who have no means of satisfying their anxieties, beyond the very meagre report published weekly in your Journal, except by a journey of nearly 300 miles, at great expense, or the employment of a captain to inspect the mine, at a cost which. If frequently repeated, becomes a burthen.

This mine, which is admirably supplied with pumping and dressing machinery, and is, as captains would say, well laid out, has been at work for some years, and something more than from 10,0001, to 12,0001., exclusive of the value of ores sold (some 30001, or 40001. more), have been spent upon it, yet the deepest point attained up to the present period is only 44 fms.

The discovery of some very good tin ground on one or two of she lodes has enabled the mine to return a fair proportion of the cost, but the workings on these lodes have been confined to a 10 fm. level; and it is but a week or two since that the flat-rod shaft, at Reynolde's, which has been at a standstill for months, has been set to sink below the 10 fm. level.

Such was the position of this mine (which contains numerous well-defined lodes, and in a highly-prized locality), until last autumn, when the success of Glijsh and Wentworth, the adjoining mine, suggested to the captain the propriety of sinking a trial shaft, near the boundary, on what was presumed to be the same lode as Clijsh was opening on. This experiment was successful; and at 26 fathoms from surface, or 15 under adit, the lode was cut west of the orose-course, and found to be worth from 1 to 2 tons per fathom; and it was afterwards cut east of said cross-course, and was there worth about 2 tons of copper ore per fathom. The driving was continued westwards some 7 or 8 fathoms, and then stopped, there being out about 16 fathoms to boundary; but the level has been driven eastward a considerable number of firm, varying in value from § to 5 tons per firm, and sta

MOPKINS'S GEOLOGY AND MAGNETISM .- No. 111.

ON MINERAL VEINS-THEIR FORMATION, GENERAL CHARACTER, AND CONTENTS.

MOPKINS'S GEOLOGY AND MAGNETISM.—No. III.

ON MINREAL VEINS—THEIR FORMATION, GENERAL CHARACTER, AND CONTENTS.

Cross-courses, generally speaking, supply the active mineralising agents, such as the sulphuric, carbonic, and other acids; the rocks provide the minerals and the alkalies. The compounds are formed only at the points where the metallics appozes out. Thus, a rock which may be very favourable for the formation of ore may not indicate the presence of the miceral by impregnation, or in a state of aquecus dissemination. Again, it often happens that a compound is formed by the aid of several elements, brought together from different points, similar to the gradual formation of the trunk of a tree; the distinct elements of which are brought from the soil by the conducting power of the roots. The seed, with its active principle, being the fixed point, causes the first action on the elements surrounding its immediate neighbourhood; the plant increases in bulk, and becomes more powerful, until the required elements are abstracted from the soil.* This deficiency becomes by rain, or aqueous saturation, replenished, and the tree increases in magnitude by the constant supply: and such are the local effects of mineral crystallisation.

The formation of a crystal will cause a local alteration towards it of similar elements; and, however slow this process of metalliferous aggregation may appear at first, yet the decomposition and the crystallisation of the separate elements become by degrees very powerful, from their respective cohesive forces, and these forces increase in energy proportionably to the increased bulk. The different elements, after separation, will cause new combinations and arrangements, till they arrive at a comparatively quiescent state, the whole of the contents of the bounding rock being abstracted prevents further metallurgical accumulation. This is the case with many at our great mines; the rocks in which the rich veins are enclosed are like exhausted soils, having all the nutritious elements drawn

An illustration of the great mechanical power produced by a seed growing into a tree in the crevice of a strong wall, may be obtained in the ruins of old abbeys.
 The strongest walls, and even rocks, have been disturbed and broken by the growth of trees.
 Herland, Dolooath, Crinnis, and other copper mines, have produced silver under such circumstances.

mines, has been termed insoluble, although found in such state as to leave no deak of its being deposited from solutions. In some districts on the Continent (Pressis), we find the indications such as to warrant the supposition that the baryta came from one direction, whilst the lead came from another; the combination of the two preducing the desired effect. (To be continued.)

Meetings at Mining Campanies.

THE DEVONSHIRE GREAT CONSOLIDATED COPPER MINING COMPANY.

The eleventh annual general meeting of shareholders was held at the offices of the ompany, Gresham House, Old Broad-street, on Wednesday, the 9th inst.,

Mr. W. A. Thomas in the chair.

The following report of the directors was read :-

ompany, Gresham House, Old Broad-street, on wednessly, the state of the following report of the directors was read:

The following report of the directors was read:

The report and balance-sheet prepared by the directors of Devonshire Great Cassolidated Copper Mining Company, for the eleventh annual meeting of the company, present a highly satisfactory retrospect of operations during the past year.

The uniform method adopted in making up the accounts leaves little for explantion. In order, however, to facilitate a comparison with the last year's balance-sheet, the directors beg to call the attention of the shareholders to the following facts:

The quantity of ore sold has been less by 1452 tons 15 owts. 1 qr. than the previous year; at the same time, the money received has been only 1994. 17s. 7d. less; showing that a higher price has been obtained for the ore by 6s. 4d. per ton, the average produce of the ore being the same—vis., 67-16ths.

The price of copper metal has not varied throughout the year.

The actual receipts have been less, and the expenditure has been less also, notwithstanding an increase in the poors' rate and income tax, which has enabled the directors to declare dividends amounting to \$5,364, and to add to the our rent cash balance to the directors of Bedford, of 24 cottages, an instalment of that accommodation so necessary to the m-ral and physical welfare of the miners.

The price of some of the material of large consumption has fallen; at the same time, the directors cannot hold out any prospect of a reduction of the cost of labour so less as the high price of provisions is maintained; miners are, however, much more pissiful than for some time past.

Capt. James Richards has, as usual, given a detailed report on the mines, by which twill be observed that the large sales of ore have not caused any diminution of the reserves in the mines. The explorations of the darking basis through the lode and split it into branches, any profitable results from extended oprations a unitarily proper main

£168,574 15 T Total Balance brought down .. £18,965 14 11

1,158 15 0 Compensation to directors and additional to the compensation and the compensation are compensational to the compensation and 18,965 14 11 Total.

General Statement of Liabilities and Assets, from March 1, 1854, to March 1, 1855.

Shareholders' capital Mines' cost for February, 1855, including merchants' bills Mines' cost for February, 1855, including merchants onls

Dues on copper ores:

Sold 18th January, 1855

Sold 22d February, 1855

On ores sampled in February, 1855, estimated at. 772 10 0=

Income-tax, half-year, to 28th March, 1855

Water rent, half-year, to 28th March, 1855

Poors' rate, one quarter, to 28th March, 1855

Poors' rate, one quarter, to 28th March, 1855

steam crusher erected at the mines, due 23d June

Balance due on account of the same 290 6 0 450 0 0 109,054 4 0 £121,030 0 \$

£47,284 15 7 4,410 14 6 In store at the mines:—Iron, brass, steel, powder, coais, rope, secondles, &c.

In store at the quays:—Timber, coals, and iron.

Copper ores raised in January, and sold 22d Feb., and carriage, 2407 tons 12 cvis.

Copper ores raised in February, and sold 22d March, and carriage, 1662 tons ores.

Copper ores and halvans at surface, computed 4445

tons, less dressing cost and dues

House at Becreause, near Taristock

Office furniture in London.

Amount outstanding for carriage of ores, per balance-sheet.

January 1855 :-Iron, brass, steel, powder, coals, rope, 3,051 10 0 16,034 6 8=

A report on the mines, drawn up by Capt. James Richards, the principal minespels was read, to which was appended an estimate of the quantity of ore is reserve in mines, amounting to 73,700 tons. The report appeared to give estimations to shareholders present, and resolutions were passed adopting the report and seemal, re-electing the retiring directors and auditors, and other routine business.

Total

WHEAL ZION MINING COMPANY.

WHEAL ZION MINING COMPANY.

The quarterly general meeting of adventurers was held at the offices, Si. Rein's place, on 'Vednesday, the 9th inst.,—Mr. Tinelk in the chair.

Mr. Preu (the secretary) read the notice convening the meeting, the minute of the several committee meetings, and the last quarterly one, which were coefficient and the following report from Capts, Bray and Sima:—

The present prospects of the mine, we are happy to state, are far better that its at general meeting. The engine-shaft has been such 4 fms. 4 ft. 5 in; on the control of the lock, which makes a total depth from surface of 80 fms. 2 ft. At this point of the lock, which makes a total depth from surface of 80 fms. 2 ft. At this point it is caused and divided the shaft from the 65 to the 80 fm. levels. The shaft is been driven count? A fathous on the south part of the lock, which is about 3 ft. which, we have driven east of the shaft. At this point we have driven south 4 fms. 3 ft. to insured the middle lode, which we anticipate to cat in about 3 fathous more driving. The shaft is composed of beautiful white sugar spar, with municic, and aported white it is composed of beautiful white sugar spar, with municic, and aported white it is composed of beautiful white sugar spar, with municic, and aported white it is composed of beautiful white sugar spar, with municic, and aported white it is composed of beautiful white sugar spar, with municic, and aported white it is composed of beautiful white sugar spar, with municic, and aported white it is composed of spar and mundle, with occasional good stones of cross_looking formers in the state of the shaft and mundle, with occasional good stones of cross_looking formers in the state of the shaft and mundle, with occasional good stones of cross_looking formers in the state of the shaft and mundle, with occasional good stones of cross_looking formers in the state of the shaft and mundle, with occasional good stones of cross_looking formers in the state of the shaft and mundle, with occasional good

tives west 2 fms. on the course of the middle lode, which is 3 ft. 6 in. wide, composed dyar and mundle, with saving work. The 30 fm. level has been driven 6 fms. 4 feet ast on the course of the lode, which is 3\$ feet wide, and has produced 2 tons of one per shoot. The lode in the present end is not quite as good as it has been, and now composed of spar, prisar, mundle, and copper ore, yielding from 1 been, and now combinate the produced of the last two months, in consequence of such an increase of water: to order to sink this shaft has been suspended for the last two months, in consequence of such an increase of water: to order to sink this shaft was must connect a line of flatroid from the present engine, and fat the necessary pitwork. The number of fathours of ground excavated during the say quarter was, 75 fms. 2 ft. 3 in. In addition to the foregoing work, the wails of the last way and the same of the present engine, and guite prepared for the engineers: owing to the saverity of the weather in the commencement of the year, our progress in this department was impeded for two months we have made a large reservoir to receive the water from the engine-shaft, by so doing we shall be amply supplied with water for our new engine, and all our dressing operations, which we hope will be very extensive. We have had two tribute pitches working in the past quarter, which have yielded 15 tons of ore, and have sold during the quarter 1000 fm. level, which are sampling day. We have the three tribute pitches, to in the back of the 50 fm. level, and one in the back of the 40 fm. level, which are guiseing an onderste quantity of ore.

A subsequent report has been received from Capts, Bray and Sina, confirming the

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A subsequent report has been received from Capts. Bray and Sims, confirming the store, and sating that the necessary erections were complete, and only waiting for the engine.

| Description | Complete | Comple The following statement of accounts was submitted:—

Cash in and last account

Cash and las .£ 73 19 9 . 665 8 0 . 121 12 4= £861 0 1

quite true that he (Mr. Pryor) was now a merchant, but he had worked underground as a miner, and in Tinoroft Mine. He had never seen a mine in a worse state—a mine that had been worse carried on was not to be found in Cornwall, even before Mr. Michell was appointed as manager; but Mr. Michell knew no more about the working of a mine than Mr. Hodgaon; Mr. Michell knew no more about the working of a mine than Mr. Hodgaon; Mr. Michell never worked underground a day in his life, and be should hardly think Mr. Hodgaon had wentured down a mine many times in his life, and if he had occasionally visited Tincroft, his knowledge of mining was not worth much. A mine to be well conducted should be under the management of some one who was practically acquainted with mining, and in whom the shareholders could place confidence. It was of no benefit to shareholders the directors going down a mine in their white kid gloves; such gentlemen could hardly be expected to know anything about the practical working of mines.

Mr. Honosaos interposed: he wished it to be understood that he had never gone down in white kid gloves. (Lunghter.)

Mr. Paron had not charged Mr. Hodgson with such an absurdity; all he had said about that gentleman was, that his knowledge of mining must be extremely limited. As for the management of Tincroft, he could assure Mr. Hodgson that he would not touch it if he did not holid a sixth part of the mine. He did not want their salary, nor did he want their appointment, but he wanted to see that things were properly managed, and very differently managed to what they had been hitherto, or where at present. As for his being a merchant, all that he could say was that he never supplied any mine which he had the management of with materials. It was given the stores of the shareholders to do as they pleased, but he could only tell them that if the mine was not conducted with great economy it would never become remunerative.

The Charman said it was quite apparent that it was most important to appoint some person of e

AGUA FRIA GOLD MINING COMPANY.

The adjourned general meeting of shareholders was held at the offices of the company, Old Broad-street, on Monday,

Professor ANSTED in the chair.

Mr. Vian (the secretary) read the notice convening the meeting and the minute of the last, which were confirmed.

pany, Old Broad-street, on Monday.

Professor Anymus in the chair.

Mr. Vian (the secretary) read the notice convening the meeting and the minutes of the last, which were confirmed.

The Chairman said that the result of the week's delay, for the settlement of the question giving the shareholders a chance to come in upon better terms, had been most satisfactory, as they had now 10,560 shares subscribed for, being 550 above the minimum proposed for carrying on the works. The directors were, consequently, prepared to proceed; at the same time, they were desirous of giving every shareholder an opportunity of subscribing until the full amount (15,000), was raised, as they ought to have some margin to meet little delays or temporary mishaps. Application for the remaining 4420 shares would, therefore, remain open until saturday gold was remitted, that Mr. Hepburn had determined upon sending gold to the mint, and diminishing the expenses as much as possible; this clearly proved that gold had been procured since the heavy rains, and transmitted from Grass Valley to Sun Francisco; and he (the chairman) had little doubt but that the despatches had been forwarded by Mr. Hepburn, but failed reaching San Francisco; in time for the mail. So far this might be considered satisfactory. He would also refer to a report by Mr. Seaton, of the Rocky Bar Mining Company, which stated that quarts mining was more flourishing, and considered that the Agua Fris Company would have been yielding a good profit, if they had not made it a mammont establishment. Of course they would take these reports for what they were worth; but he mentioned them in confirmation of the statements which had been published from time to time of the operations of this company.

A Staansmolder and statements which had been published from time to time of the operations of the company.

A Staansmolder and the statement of the proper at a statement of a course the product of the debentures!—The Chairman replied that the applications were life; but it was spread over a

AND THE STATES AND ADDRESS OF THE STATES AND

liad no right to make out of doors such statements as he had heard, without coming to the office to investigate the affairs. He was not prepared to take any further responsibility unsupported by the shareholders, and, therefore, fully concurred in the proposition made by the committee, to wind-up the concern, and be spared from any further annoyance.

Mr. Staker said that up to the present time he was of the same opinion as the chairman, that it would be preferable to wind-up their affairs; but this morning he had received a letter from Capt. Hoskins, who was formerly an agent of the Santiago Mines in Cuba, and well acquainted with mining in Jamaica. Mr. Street then read the following letter from Capt. Hoskins:

Sithacy Wheal Buller, May 5.—The stratum of ground in Jamaica, and more particularly at Mount Vernon Mine, contains very similar mineral indications as some of the productive mines in Cuba. In the Santiago Mines, now in course of working, the lode yielded black and gray oxide of copper ore, about 25 fms. from the surface, but not in sufficient quantities to pay. Between that depth and 35 fms. below, it changed to yellow copper, sulphur, and arsenical pyrites, which yielded from 5 to 10 per cent., with settled indications. The Cobre Mines, in Cuba, are an exception; but productive courses of ore are generally found from 35 to 40 fms. from surface, yielding from 14 to 15 per cent., of copper. I have frequently met with disturbed strata at about 20 fms. from surface, which occurs in nearly all the mines in Cuba, and in many instances is a conglomerate, and destroys the mineral vein when it comes in contact, But this can be got rid of only by developing below, or excavating east or west, as the case may be. The surface indications at Mount Vernon are highly mineralised throughout, and for a great distance about the lode, which, in depth, I have no doubt, will form a junction, and make productive returns. It appears to me that if you were to develope a winze (asy to 10 or 15 fms in depth at the point, of nor

Mining Correspondence.

ef ground; and from the quantity of ore hitherto produced from the different bargains worked, this would give a monthly yield of from 25 to 30 tons, and would all of which there is every reasonable hope, as, from the rough plan and section I produce, you will see that our present or north lode forms a junction with our new or south lode about 40 fms. west of the engine-shaft; and I have rarely seen such a junction of lodes, under such a sourable circumstances, fail in producing large quantities of ore, and I am strongly persuaded this will be the case in this instance. Should this be found to be the case, our machinery is ample for making any reasonable increased returns; and as the officers are now removed, and some new shareholders come in, it may not be amiss here to say of what it consists. We have a 25-feet water-wheel, 2 ft. 6 in, in breast, with a 30-inch orushing mill, and dressing apparatus sufficient for cleaning from 30 to 40 tons of ore per month. This wheel is also pumping the water from the mine to the 20 fm. level, our pitwork being 20 fms. of 6-inch pumps complete. We have a 16-feet wheel, 2 ft. 6 in. in breast, for drawing stuff, with drawing machine, &c., complete, the whole being driven by the River Rheidol, so that we have an abundant supply of water at all seasons of the year for all purposes. We have a latitude this in a great measure to the men having been kept without their regular pay by our late secretary. I hope, however, that as this is now remedied, the work-people will grain confidence, and that we shall resp the benefit of it. In addition to the work described, we have broken only 16 fms. of ore ground from the stopes; and as we shall continue to do this only until we make a communication with our winne and 20 west (which we may calculate on doing by the first week in July), we shall not have for sale at that date more than from 250f. to 300f. worth of lead ore; after which, as I before stated, our mine will be in the best possible working order, and the outlay which is now being

ments.—A. Francis.

CALSTOCK UNITED.—Since last report the shaftmen have been engaged in putting in bearers and clatern in the 60, and sending up the lift from Caroline's te surface; the lift will have to be fixed in the 60 sump before sinking can be resumed.
There appears to be an improvement in the lode in the shaft; the walls are better defined, and more regular in their underlay. There is no alteration in the cross-cut
south, or 60 end west, since last week.—W. Cooks: May 5.

south, or 60 end west, since last week.—W. Cooke: May 5.

CAMBORNE CONSOLS.—There is no material alteration in these mines to notice since last report.—W. Roders: May 5.

CAMDWR MAWR.—I was at this mine yesterday, and went through the work at surface and underground. I am glad to say that the surface work is in very complete order, the dressing machinery doing its work perfectly, and the orea are properly separated, the whole wearing a mining-like aspect, very different from what I have ever seen it before. There are 5 or 4 tons of good copper ore almost cleaned, and about 10 tons of lead ore. I have thought it better to send this to the storehouse at Aberystwith while the weather is dry. In the underground department there is some good lead ore in the lode in the 5 and 12 fm. levels, samples of which I bring to town with me to-morrow; the lode is not rich, but has good ores in it, and there is a ellokenside, a sign that I have never seen fail to make a good body of ore; and I have put the men to sink by it under the 12 fm. level, and believe it will lead to valuable results, if so, we can resume the regular sinking of our shafts when necessary.—MATTHEW FARMERS: May 6.

CARADON CONSOLS.—The lode in the 27 fm. level is again improved both in size

I have put the men to sink by it under the 12 im. level, and believe it with lead to valuable results, if so, we can resume the regular sinking of our shafts when necessary.—MATHEW FRANCIS: May 5.

CARADON CONSOLS.—The lode in the 27 fm. level is again improved both in size and quality, although it is still small. The ground in the 37 fm. level, going north, is just as it has been, and the progress is very regular. The other works on the mine are as heretofore.—May 7.

CARRACK-DEWS UNITED.—At Eley's shaft, the men have completed the dividing and casing, and the putting in of the cistern, lift, tackle, &c., and are now sinking under the 22 fathom level, by eight men, at 122. per fathom; the lode at this shaft is feet wide, composed of spar, capel, and mundle, with some good stones of copper ore. The copper ore in the lode is not regular; I, therefore, find it difficult to quote the value per fathom at present; it has, however, a very promising appearance, and the shaft is now about 8 ft. below the 22 fm. level. The 22 fm. level has been driven only about 4 feet of it; there is still a part standing on the north side; the part they are carrying is 3 feet wide, composed of spar, capel, mundie, lead, copper, and tin. Here also I find it difficult to quote the value per fathom, the component parts of the lode not being regular. The tin alone in it is worth 31. Per fathom, and they are driving by four men, at 34. 10s. per fathom. At north battery, the men have completed the dividing and casing of the shaft, &c., and are now sinking below the 20 fm. level.

A bargain has been made to sink to the 30 fm. level for 90l. The lode at the shaft is 25 ft. wide, but at present it suproductive. The 20 fm. level has been diven to fathoms during the month; the lode here is from 2 to 3 feet wide, but poor; there are now about 20 fms. more to drive to the intersection with the south lode; and as this is an important feature, I should recommend driving towards it with all possible speed. The end is being driven by four men, at 11.

CARVANNALL.—The engine-shaft is down 11 fms. 5 ft, below the 106 fm. level; we intend to sink shout 3 ft, more, and then commence to drive east and west. The lode in the shaft is 3 ft, wide, chiefly composed of mundic and crystallised iron, with a small portion of grey ore: 30 tons of ore have been broken since last sampling.—WILLIAM ROBERTS: May 5.

a small portion of grey ore; 30 tons of ore have been broken since last sampling.—WILLIAM ROBERTS: May 5.

CAYLAN.—South Eagle Rock Lode, Barkell's Level: We are only carrying a small portion of the lode, in consequence of its being hard and expensive for driving, and we want to get a communication with Powell's level as soon as possible.—Eagle Rock Lode, Deep-Adit Level West: No. 1 stope is still idle. No. 2 is producing about 10 cwts. of lead ore per fathom.—Powell's Level East: No. 1 stope is producing 10 cwts.; No. 2, 12 cwts.; and No. 3, 6 cwts. of lead ore per fathom. We have laid down rails in Powell'd deep adit level this week, and the end is progressing favourably. We are getting on with the ore dressing as fast as we possibly can, and I think we shall have about 14 tons ready for shipment by this day week.—J. Barkell.

CLIJAH AND WENTWORTH,—Julia Lode: The 40 fm. level is driven east of Walter's engine-shaft about 4½ fathoms, lode worth 71. per fm. The 40, west of said shaft, is extended about 4 fms., producing 1 ton of ore per fm. The 30, driving east of walter's shaft, is exceeded 32 fms., no lode taken down since last reported. The 30, cast of engine-shaft, is sunk 5 fms., no lode taken down since last reported. The 30, driving east of Walter's shaft, is extended 45 fms., lode worth 71. per fm. The 20, driving cast of walter's shaft, is extended 45 fms., lode worth 71. per fm. The 30, driving cover the shaft was shaft of the cover of the cover of the cover of the shaft is extended 45 fms., lode worth 71. per fm. The 30, driving cast of walter's shaft, is extended 45 fms., lode worth 71. per fm. The 30, driving cast of walter's shaft, is extended 45 fms., lode worth 71. per fm. The 30, driving cover the cover of the end at present we think in driving a few feet more this end will greatly improve. Since our last report we have gone through Wentworth lode in the 30, the lode is 4 ft. wide, composed of quarts, mundle, and good stones of yellow ore; our intentions are to drive a few fathoms on this lode

CLOWANCE WOOD.—The adit end has been driven in the past month 3 fms. 1 ft yest of Slater's shaft; the lode in this end is 6 inches wide, producing spots of ore nundle, and jack.—E. Chrowin; T. Dribridge: May 7.

CROW HILL.—The engine-shaft is down about 7½ fms. below the 45 fm, le and the ground is very favourable for the production of mineral; other branch lead are still met with dipping towards the lode, and the water has much increa which are encouraging indications of success.—May 5.

lead are still met with dipping towards the lode, and the water has much increased, which are encouraging indications of success.—May 5.

CUBERT UNITED.—At Trebiskin, the lode in the 65 end west is 18 in, wide, composed of quarts, prian, mundie, and lead, worth of the latter 3 cwts. per fm. The lode in the 55 end west is 16 in, wide, composed of quarts, prian, ground favourable for driving. The stopes in the back of this level are worth at the rate of 6 cwts. of lead per fm. The stopes in the back of this level, west of James's rise, are worth from 3 to 4 cwts. of lead per fm. The stopes in the back of this level, west of fines's rise, are worth about 3 cwts. of lead per fm. At Trebellan, the lode in the 66 end south is 15 in, wide, composed of quarts, prian, carbonasts of iron, fluor-spar, and lead, worth 4 cwts. per fm.; the lode in the 8 end morth is 1 ft. wide, composed of quarts, prian, and mundic, with spots of lead. The lode in the 56 end south is 15 in, with the stopes in the back of this level are worth from 5 to 6 cwts. of lead per fm. The lode in the stopes in the back of this level are worth from 5 to 6 cwts. of lead per fm. The lode in the supp.—winzes a small and unproductive. The lode in the 56 end, south of sump-winze, is 16 in. wide, composed of quarts, prian, and mundic, with a little lead. The stopes in the shall be a completed or a computed 26 tons.—J. Trawwin is 35.

CWM DARREN.—At the engine-shaft, shinking below the 30 fm. level, the lode is a bout 3 feet wide, yielding stones of lead and copper ore, but not to value. In the 80 fm. level, driving west, the part of the lode being carried is 5 ft. wide, with 3 cwts. of copper ore per fm. We have had no chance of crushing for some time past until now, and if we get a day's more rain, I think we shall be able to sample 30 tons of copper ore some day next week.—A. WATERS: May?.

CWMDTLE.—In opening the new stope on the south, in No.6 level, mentioned in whether we have discovered cone codes.

De able to sample 30 tons of copper ore some day next week.—A. WATERS! May?.

CWMDYLE.—In opening the new stope on the south, in No.6 level, mentioned in my last, we have discovered some good ore. I propose to continue the cutting until we reach the killas, which is about 3 fms., and I am confident more ore is to be found. The large stope produces about 5 tons of ore per fathom; this stope is opened out on the south, and we shall take down the north part as soon as we get the snow clear. The weather has been rather severe this week, with plenty of snow and sharp frost. The mountain streams being frosen up, nothing has been done at the stamps. A cargo of 50 tons being ready, with a few additional hands another can be got ready in a fortnight.—T. COLLIVER: May 5.

n DEVON BULLER.—We are getting on with all possible speed with the engine and conse, and expect it will go to work by the time appointed—the latter part of this nonth.—W. NEELE: May 11.

house, and expect it will go to work by the time appointed—the latter part of this month.—W. NRILL: May 11.

DEYON BURBA BURBA.—The cross-ent has during the last week been extended fins., and we have intersected several branches of spar, which have produced better stones of ore than any we have hitherto met with. The ground is still favourable for driving, the price given being 45s, per fathom.—J. Lone: May 10.

DHURODE.—In the stopings above the shallow adit upwards of 5 fathoms of orey ground have been cleared in the past month. The same core are taking down branches of copper for this month on the company's account. The wines sinking under the deep adit is sunk upwards of 4 fms., and is again set at 5f. per fathom. The ground continues to yield good atones of copper, and also good branches. The cross-course south is driven 6 fms. in the past month, and is now set at 2f. 10s, per fathom. The ground is much harder than it was, and continues impregnated with copper, and look very promising. The continuance of dry weather keeps the stamps from working, and delays our dressing operations. I am taking advantage of the weather, and raising the embankments round both the castern and weatern reservoirs; when completed they will hold twice as much water as they did before, and will give us an ample supple at all times. We have drawn up nearly 2000 kibbles of orey stuff from underground in the past month. At the cast mine the shall is sank upwards of 4 fms. The ground is getting harder, and is set at 5f. per fathom for the month; it continues to yield good stones of copper, also quarts, containing rich lead ore. W. Toxkin.

DRAKE WALLS.—At the request of Mr. W. Watson, I have this day inspected the

to yield good stones of copper, also quarts, containing rich lead ore.—W. Townston.

DBAKE WALLS.—At the request of Mr. W. Watson, I have this day inspected the mine thoroughly, underground and at surface, in company with Captain Samuel Secombe, after which we consulted on all matters connected with the mine, and decided that it is well worthy a vigourous prossention, and the erection of a 60-inch pumping engine, to enable you to sink deeper. I worked in Drake Walls a considerable period, 55 years ago, and frequently since then, but at no time have I seen the mine so productive as at present. The mine is fairly worked on tutwork, which I think is the

best plan, as the lode is very large, and full of branches. 80 fm, level is a free middle of the mine, and is sown to the 80—a good shaft. The of rich quality tin. The 70 cast is also productive; other parts such as usual. The footway shaft ought to have been 30 fms. deeper. I strongly advise your erecting a 60-in. engine over this shaft as soon as possible. Even if a second-hand engine could be got, it could not be ready to work for about six months, and if left until winter, it would add greatly to the cost of erection. I am of opinion the 60 cross-cut south ought to be continued, as parallel lodes exist to those of Wheal Arbur, and the strata are of a more favourable kind for copper on the south. With the exception of the great necessity for more drainage power, I consider the machinery sufficient, and the mine in a good course of working. Any further particulars you may require I shall feel pleasure in rendering.—T. Carpentars. April 24.

DUNSLEY WHEAL PHENIX.—The lode in the stopes in the Lating of the contract of the stopes in the Lating of the contract of the stopes in the Lating of the contract of the contract of the stopes in the Lating of the contract of the stopes in the Lating of the contract of There is a great quantity

the mine in a good course of working. Any further particulars you may require a shall feel pleasure in rendering.—T. Carpentran: April 24.

DUNSLEY WHEAL PHEENIX.—The lode in the stopes in the back of the eastern adit level, west of shaft, is still producing some good work for tin (not xine, as stated in the Journal of last week). There is no lode taken down in other stopes since my last. We are getting on very satisfactorily with our dressing operations, as well as our railway from the east shaft to the stamps. We purpose sending off a batch of tin on the 17th inst.—J. Spanoo: May S.

EAGLEBROOK.—I am sorry to say we have been stopped for want of water, and unable to continue sinking or driving the 10 fm. levels for the past week. As the weather appears now to be altering, we shall hope to resume the underground work soon; the same is the case with all the neighbouring mines. We have been cutting some drains in the bog above, which will ensure a better supply, should there be even a little rain. In the cross-cut, south to the middle shaft, we have peased through some strings of spar and flookan, but as yet nothing more, except that we have now all little water. We have out out the ground for the cottages, and the masons will commence building this week; we have let the wall, including pointing, at 1s. per yard. The drawing-machine is ready to work as soon as we get sufficient water; the shaftmen have been assisting the carpenters in its erection. I hope we shall get the cottages complete at the estimates sent, and they will be of great service to us.—

EAST BLACK CRAIG.—The 25 fm. level end was its nearly cognised by the black.

the saturation have been assiming the carpointers in its erection. I hope we shall get the cottages complete at the estimates sent, and they will be of great service to ua.—

H. TYACK: May 8.

EAST BLACK CRAIG.—The 22 fm. level end west is nearly occupied by the blackstone. The ends in the 33 south are holed; they continued good for lead in both ends
until they met. We have now set a winze to sink on the south lode under the level,
a little to the west of No. 1 cross-cut west, to ascertain the quality of the lode going
down. We have put the men who were rooming morth to cross-cut north through
the branches first, before rooming out further, that we may find the best of them
going down below the 27 fm. level above. In No. 1 cross-cut east, in the 22 fm. level,
the winze is sunt 5 fms. on some branches of lead ore; these men are now put in the
33 south to sink the winze. We have shipped 22 tons of ore on Saturday for the Holywell market.—R. WILLIAMS: May 10.

EAST CARADON.—In driving the 40 the ground continues stiff. The ground in
Williams's shaft, is rather hard and spare for sinking; the present price is 304, per
fm. The men are now employed in dividing and casing the shaft from the adit,
10 fms. below. When this is completed we intend to draw out the stuff from bottom
of the shaft with horses, to enable us to sink it more expeditiously.—J. SECOMBE.

EAST DAREEN.—We have the water out again from the 44 fm. level at Taylor's
shaft, and have this day set the levels to drive east and west; the stopes over this
level are all set, and we hope to make our usual returns of ore. The 35 fm. level, east
of Taylor's shaft, is looking very promising, showing a good branch of ore about 3 ft.
high from the bottom of the level, and which appears to rise towards the back as the
level is extended eastward; however, we cannot say that we shall find it as good in
the back, and should it be so the level would be worth lyic ton per fm., but a fow days
will prove it. In the 20 fm. level, east of Taylor's shaft, the lode looks v

larger lift to fix from the 52 to the 44 fm. level.—May 7.

EAST DING DONG.—Since the last meeting we have raised, by six men, tin to the value of 1444. 14s. 6d., from the lode under the 10 fm. level, east of Twinberrow's shaft. This ground has produced about 104. worth per fm., which has more than paid for raising. The lode here has a better appearance than for the last two months past. We consider, by the improvement in the quality of tinstuff, six men will break this month at least 504. worth of tin, the lode being now about 1 foot wide, and worth from 20s. to 30s. per barrow of 22 gallons: we have never seen the lode so good at any time since it has been working as at present. If this lode should continue for 20 fms. in length and depth we shall have a good mine,—M. White; W. Boyrs: May 4.

in length and depth we shall have a good mine.—M. Wattra; W. Boxrs: May 4.

EAST GUNNIS.LAKE AND SOUTH BEDFORD CONSOLS.—The lode in the
engine-shaft is 3 feet wide, producing saving work. In the 49 fm. level west the lode
is 4 feet wide, worth 1 ½ ton of ore per fm. In the 35 fm. level, west of red whimshaft, the middle lode is 4 feet wide, yleiding good saving work. In the winze sinking in this level the lode is 2 feet wide, producing 4 tons of good ore per fm. The
lode in the red whim-shaft is 4 feet wide, and yields good saving work, with occasional fine rocks of ore.—J. Phillips, Jun.: May 9.

EAST POLGGOTH.—During the past month our sumpmen have been employed
in changing the pitwork, which secounts for the small amount of 3 feet having been
driven in the south level; this being nearly completed, they will again resume driving
as fast as possible. As regards the north level, we judge from the quantity of water
issuing from the end that the lode is not far off, and we expect to reach it by the end
of this month.

of this month.

EAST TAMAR CONSOLS.—The lode in the 112 south is hard and unproductive, and we have thought it advisable to suspend this driving. In the 90 end north we have had for the last few days a very kindly and more productive lode than for a long time past; it is now worth 8 cuts. of ore per fathom, and we hope it will continue. At the 105 fm. level, south of Guilett's shaft, the lode in the end presents the most promising appearances, and is certainly as fine a lode, without much ore, as can be seen; we have, therefore, great hopes that it will become more productive and profitable. We are driving the 90 fm, level, north of Guilett's shaft, and from the appearance of the lode in the end we have every reason to expect a change for the better is close at hand.—J. WOLFERTAN: May 2.

seen; we have, therefore, great hopes that it will become more productive and profitable. We are driving the 90 fm. level, north of Gullett's shaft, and from the appearance of the lode in the end we have every reason to expect a shange for the better is close at hand,—J. Wolfferstan: May 2.

FEE DONALD.—Since Saturday last, we have commenced sinking on the lode morth of Antimony lode 28 fms, further west than where the branch of lead is to be seen at surface. At this point the lode is 3 ft. wide, composed of spar, and some good stones of lead ore. I like the appearance of the lode much; it is letting out a great quantity of water, and how we shall be able to manage in sinking by manual labour I can hardly say as yet; however, we will do our utmost. The lode in the Smiddy end, driving west, is looking very promising, worth 8 cets. of lead ore per fm., and appears to improve every feet in driving. Other parts of the mine are without material alteration.—J. Murrerr: May 3.

GREAT ONSLOW CONSOLS.—The lode in the 60 east is spotted with ore. The engine-shaft men are at present engaged in making preparations for the fixing of a plunger-lift in the 72. In the 72 west we are still driving by the side of the lode. There is no change to notice in the 72 east. The lode in the 60 west yields stones of ore. The lode in the 60 west, on south branch, yields is, ton of ore per fathom. The stopes over the 60, east of Tippet's, are worth for ore 141, per fm. The stopes over the 60 is worth for ore 145, per fm. The rise over the 60 is worth for ore 145, per fm. The rise over the 60 is worth for ore 150, per fm. The stopes over the 45, east of whime-shaft, are worth for ore 126, per fm. Our surface operations are progressing in a satisfactory manner.—G. Rickard: May 9.

GREAT SOUTH TOLGUS.—The lode in the 80 fm. level is 1 foot wide, producing a little copper once—set to six men, 2 fms., at 10. per fathom. In the 20 fm. level the lode is 2 feet wide, producing 2 tons per fathom. The lode in the 100 west is 23 fine the sole of the

worth 30/, per fathom.

HAWKMOOR.—We commenced taking down the old wheel on Saturday last; it is now nearly rebuilt, and we hope to set it to work again on Tuesday evening next. The men on the mine have been employed assisting the carpenters and masons, enuntil larging the leat, and other surface work. We have been deficient 18 men through the week, from their not being accustomed to surface work.—J. RICHARDS: May 5.

The men on the same nave oven employed assisting the dispenses and monthly the week, from their not being accustomed to surface work.—J. Richards: May 5.

HEMERDON CONSOLS.—No alteration of any importance has taken place since my report of last week, but averything is going on as well as usual, and we hope to sample the same quantity of the in four weeks from the date of the last sampling. The vessel with the ore on board was at Falmouth yesterday, and will be at Truoto-morrow, so that the ore will be weighed on Wednesday at the latest.—James Wolffenstan May 7.

— In the 30 fm. level west the lode is 15 in. wide, saving work; in the same level cast the lode is a tpresent small, but of a very kindly appearance, and producing a little tile, but not enough to value. In the 15 fm. level cast, during the past week, the lode is become small, but still presents a very kindly appearance. The stopes in the back of this level are looking well, good work for tin.—J. Girroun: May 9.

HERODSFOOT.—A considerable improvement has taken place in the 106 fathom level, the lode in the present end being worth 7 cwts. of ore per fm. The stopes in the boate of the level are also much more productive, No. 1 being worth 8 cwts.; No. 2, 30 cwts.; and No. 5, 10 cwts. of ore per fm. We have also two stopes in the bottom of the 127 fm. level, which are respectively worth 10 cwts. and 8 cwts. of ore per fm. From the greatly improved appearance of the lode in the 106, we have been induced to resume driving the 117 cmd, which is about 15 fms. behind the ore ground in the 106, and as the ground is easy, we have every expectation of getting into the same very shortly. I am happy to say that this improved state of things will enable us to sample 45 tons of ore an Saturday next, and we expect that our succeeding sampling will be increased to 50 tons, which, considering the few men now employed, must be considered as satisfactory, and will, we hope, meet the cost of the mine.—J. Wolfarsarax: May 8.

HOLMBUSH.—The lode in the 145 fm. level, west o

favourable for driving. The lode in the end driving north on the new the 132 fm. level, is from 8 in. to 1 foot wide, composed of soft killas, from lead ore. In the 130 fm. level, west on the flap-jack lode, the lode is 3, having two well-defined walls, and is composed of prian, peach, and mi tribute department is without any material alteration.

tribute department is without any material alteration.

HOPE VALLEY,—The lode in the 35 fm. level, driving south on the western is about 6 in. wide, at present unproductive. The lode in the wince sinking the 23 fm. level is 2 feet wide, a mixture of spar and lead ore, and will yield elatter about 1½ ton per fathom. This winze is from 3 to 4 fathoms before that and have 4 fms. more to sink the winze before forming a communication will 35 fm. level, therefore we expect an improvement in this end shortly. All the parts of the mine are without alteration. We sampled on the 30th April 13 is lead ore, samples of which were sent to the smelters as directed.—Wx, Rus, May 9.—[This mine sold on the 10th inat, 19 tone of lead ore, at 134, 7s, 6d, per HILL BRIDGE CONSOLS.—There is no material alteration on the loss ewel shaft since my last report. The ground is still favourable for sinkin achinery works extremely well.—Joss: Spango: May S.

MOI The left in the from the left in the l

May 9.—[This mine sold on the 10th inat. 19 tons of lead ore, at 131.78. 66. per len; May 9.—[This mine sold on the 10th inat. 19 tons of lead ore, at 131.78. 66. per len; HILL BRIDGE CONSOLS.—There is no material alteration on the lode at Was Jewel ahaft since my last report. The ground is still favourable for sinking, and a machinery works extremely well.—Jours Spanoo: May 8.

IVYBRIDGE MINE.—The following brief report has been issued by the commits of management:—The committee have much pleasure in presenting a statement of the position and prospects of this mine to their co-adventurers, the substance which was unanimously approved of at the late general meeting, held on the min, when the reports which have been received from time to time, from Capta. Clemo and Jan, were verified from their inspection. The principal position of discovery is in the reports which have been received from time to time, from Capta. Clemo and Jan, and 43 fm. levels, south of the shaft, where a valuable lode, interspersed with agentification with it in depth, thus tending to the proof of the reported wealth of the love levels. This nowly-discovered lode has increased to 9 and 12 feet wide in the son, and is disseminated throughout with load ore, the estimated average value of whice will be forthcoming when the dressing—at present in as active operation as the inclination of the reported wealth of the love levels. This nowly-discovered lode has increased to 9 and 12 feet wide in the son, and is disseminated throughout with load ore, the estimated average value of whice will be forthcoming when the dressing—at present in as active operation as the inclination of the son and the second of the present company being (after the partial clearance of the old workings, for the proper of the proper of the proper of the p

— E. B. SHEPHERD: May 5.

LACKAMORE.—Our setting on Saturday last was as follows:—A pitch at the we and and bottom of the large pit, by ten men, at 3t. 15s. per ton. A pitch in the bak of the 10 fathom level to extend from present cross-cut 20 fms. east, and as high a the adit level, by six men, at 3t. 5s. per ton. A pitch in the bak of the 20 fm. level as directed, by four men, at 3t. 5s. per ton. A pitch in the back of the 20 fm. level saft or touch lode, by two men, at 3t. 15s. per ton. To drive the 10 fm. level sat, by two men, at 2t. per fathom, stented 2 fms., and to have 3t. 15s. per ton for copper ors. To clear Kelley's shaft, by three men, at 12s. per fathom. To clear Bonnyis shaft, by three men, at 15s. per fon for copper ors. To clear Kelley's shaft, by three men, at 15s. per fm. Each of the above shafts are cleared about fms. below the 10 fm. level. The pitch in the 20 fm. level presents a very promising spearance, and the tributers are breaking some excellent copper ore, which we shall be able to draw by the end of the week, as Kelly's will be clear by that time.—May?.

LAMHEROOE WHEAL MARLA.—In the 50 fm. level, north of Jessié's shaft we

shaft, by three men, at 15s. per fm. Each of the above shafts are cleared about 5s, below the 10 fm. level. The pitch in the 20 fm. level presents a very promising appearance, and the tributers are breaking some excellent copper ore, which we shall be able to draw by the end of the week, as Kelly's will be clear by that time.—May?.

LAMHEROOE WHEAL MARIA.—In the 50 fm. level, north of Jessie's shaft, we have set to the sumpmen to drive through the lode, at 20%. per fm.; the level to be carried 9 ft. wide, and 3 ft. high. This end is troubleome for driving, in consequence of being extremely wet, which very materially affects the consumption of cols, in working the steam-engine. We hope on our next to be able to report more fully at the character of the lode at this level. The lode in the 40 fm. level west, the part being carried 5 feet in driving the level is composed of capel and mundle, with god stones of yellow copper ore; in the 40 fm. level east we are continuing to drive on the nagst side of the lode, believing it advisable to go on a short distance further in this direction before cutting into it to ascertain its character. The pitch in the bottom of the 30 fm. level west has been re-sect to-day at a tribute of 11s. 3d. in 11.—May 4.

LEEDS TOWN CONSOLS.—Our sumpmen are casing and dividing the shaft to bring the kibble to bottom; this being done, we shall commence cutting a plating the 50 fm. level. In the 30, west of engine-shaft, the lode continues small and poor; in the 30 east the lode is 3 ft. wide, with thin in; though not rich. In the 20, east of flookan, we have intersected the lose, which is 3½ feet wide, and, I am happy to inform you, rich for tim. The wite there is very powerful, and we must, therefore, assepand the sinking of this shaftanil we drive the 20 end under it. We have only 2 fms. to drive to accomplish this, which we shall do with all possible speed. In the 10, east of flookan, we have intersected the lose, which is a shaft, the lode is 6 ft. wide, worth 30, per fm. I can venture to

be about 10 tons.—TRIMEAR BENNETTS: May 9.

NANTEOS AND PENRHHW.—In consequence of the long drought, the whole of our bargains at Penrhiw are under water, our ponds being quite exhausted on the night of Monday last, and the water is now about 12 feet above the 36. Our surfass water at present is scarcely sufficient to work the round buddle, consequently our dressing operations are nearly at a standstill. We are now engaged in altering the pump-rods, &c., at Penrhiw, also clearing and repairing the addit level at Bwich Gyrs, for the severe frost did it much injury. We set the Kystumtean deep adit to drie east, by six mem, 4 fms. stent or the month, at \$1.5\$, see fm; the lode is about 2 f. wide, poor. In the 46 east the lode is withent alteration since last reported on. In the stopes in the back of the same the lode will, on an average, yield about 19 cr 15 cwts. of ors per fm. In the 36, east of Penrhiw, the lode is unproductive. To lode in the stopes over the same, 40 fms. east of shaft, will not at present yield sufficient ore to pay for stoping. The lode in the stope 30 fathoms east will yield about 8 cwts. of ore per fm.—Mickakl Barkeny: May 7.

NORTH DOWNS.—We have resumed driving the shallow adit east, to reach the

ide in the stopes over the same, 40 fms. east of shaft, will not at presently ideal of the stopes over the same, 40 fms. east of shaft, will not at presently ideal of eith ore to pay for stoping. The lode in the stope 30 fathoms east will yield about 8 cwts. of ore per fm.—Micharl Barrent; May 7.

NORTH DOWNS.—We have resumed driving the shallow edit east, to reach the shoot of ore to the west of Bennett's cross-course, The lode in the end is 3 ft. wise, producing ore that will pay for saving. In the deep adit level we are cross-cuiting the lode to the west of Towan's cross-course, where it was lost sight of, and we hope to reach it in a fortisight from this time. The water has sunk 4 ft. since least Saturday, and it is also going down fast in the county adit, and will, no doubt, continue to do so during the summer.—J. Painer: May J.

NORTH WHEAL BASSET.—The lode in Grace's shaft, sinking below the 37 fm. level, siving west of Grace's shaft, the lode is 3 ft. wide, producing 4 tons of rise for gracy shaft, the lode is 3 ft. wide, producing 4 tons of ore per fm. In the 32 fm. level, driving west of Grace's shaft, the lode is 3 ft. wide, producing 4 tons of ore per fm. All other parts of the mine are without altession.

NORTH WHEAL CROFTY.—The winne sinking below the 43 west, on the north part of Reeves' lode, is worth 401, per fm. The stope in the back of ditto is superadd until the winze is communicated to the level below. The winne sinking below the 3 west, on the south part of Reeves' lode, is worth 401, per fm. The lode in the 50 west, on the south part of Reeves', and have commenced to drive south on the same, towards the south part of Reeves', and have commenced to drive south on the same, towards the south part of Reeves', and have commenced to drive south on the same, towards the south part of Reeves', one get under the run of oreg ground lately passed through in the law and the south part of Reeves', and have commenced to drive south on the same, towards the south part of Reeves', one get under the run

NORTH WHEAL TRELAWNY.—Coryton's shaft is sunk 4 fathoms under the 25. The tole in the 25 fm. level morth is 2½ free wide, producing? Ven of lead per fm. It the same level south it is 2 feet wide, producing? Ven of lead per fm. It the same level south it is 2 feet wide, producing by the control of the cont

RAILWAY AND COMMERCIAL GAZETTE.

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te committate committate attended of the terms of the

and the west in the back in the back in as high as 20 fm. level of Bonney's about 8 fms. Description of Bonney's about 8 fms. Description we shall one. —May?. 's shaft, we level to be onesquence of coals, in ore faily on at, the part, with good lrive on the ther in this the bottom .—May 4. he shaft to plat in the do poor; in 20, east of see upon it. ed the lode, The water shaft until this, which 1 if, w

gine-shaft, g sufficient ed in sink-ad south of large as in is increas-tional spots the engine-undic, and whatever, lead mine,

e whole of ted on the ur surface mently our tering the leh Gwyn, lit to drive about 2 ft. ed on. In bout 13 cm tive. The yield sufficield about reach the 3 ft. wide, as-cutting ad we hope last Satur-t, continue

the north

is the north the south the

ductive. In the 10 west, on the south part, the lode yields 2 tons of tinstuff per fm., and is worth 4i, per fathom. Reynolds's shaft is down 5 fms. below the 10 fm. level, and is staking by eight men. The tin pitches are yielding a fair quantity of tinstuff. The copper ore pitches are looking favourable.—Z. KAREEK: May 9.

WHEAL TRELAWNY.—Smith's engine-shaft is suak 7 fms. 2 ft. below the 10s. The lode in the north end of this level is 2 ft. wide, and worth 3i, per fathom. We have cut into the lode at the south end, where it is 2 ft. wide, and worth 4i, per fm. In the 98 fm. level, north end, the lode has not been taken down since last report. In the 83 morth of Chippendale's shaft, the lode is 1½ ft. wide, worth 4i, per fathom. In the wines end in 1½ ft. wide, worth 4i, per fathom. We have commenced sinking Chippendale's shaft under the 88 fm. level, where the lode is 1½ ft. wide, worth 4i, per fathom. In the 40 fm. level of 12 fm. level, where the lode is 1½ ft. wide, worth 4i, per fathom. We have commenced sinking Chippendale's shaft under the 88 fm. level, where the lode is 1½ ft. wide, composed of hornspar, prian, and mundle, presenting altogether a kindly appearance.—South Mine: In the 120 fm. level, south end, we are driving in killas by the side of the lode. In the 107 fm. level, south we are stripping down the eastern part of the lode, which is worth 6i, per fm. Ye are sinking a winze in killas in the bottom of this level, south of Trelawny's shaft, the lode is 2 ft. wide, worth 7i, per fathom. The stopes and pitches are producing much the same as usual—W. Beyanty; W. Jeskells: May 8.

WHEAL TERMAYNE.—The Boundary engine-shaft is sunk 6 feet under the 10³ where the lode had better the lode of the terms of the lode of the lode of

winze sinking below the \$2 fm. level, north of Trelawny's shaft, the lode is 20 inches wide, worth 77, per fathom. The stopes and pitches are producing much the same as usual.—W. BRYANT; W. JEKKIN: May 8.

WHEAL TREMANNE.—The Boundary engine-shaft is sunk 6 feet under the 10³ fm. level; the lode at bottom of said shaft is 8 in. wide, composed of brint, spar, and mundle, with occasional spots of tin and copper, but not to value, the ground being clean of spar, and showing a kindly appearance; in the 163, east of the same shaft, on Allen's branch, the branch is improving and the ground easing, being now worth 121, per fm.; the stope in back of the same level is worth 61, per fm. The stope in back of the 53 east of same shaft, on Allen's branch, is worth 91, per fm.; the stopes in back of the 53, east of same shaft, on Allen's branch, are worth 92, per fm.; the stopes in back of the 53, east of the same shaft, on Allen's branch, are worth 93, per fm. At the new engine-shaft on the south lode, in the 70, west towards Wheal Margaret, there is no change to notice since last report; in the same level, east of Arthur's shaft, on the same lode, the lode is 1 ft. wide, producing stones of tin, with a kindly appearance; the men belonging to this level are now engaged cross-cutting for a communication with the flat-rod shaft and the south part of the lode, the lode being split here as in the upper levels; the stopes in back of the 50, east of flat-rod shaft, on the same lode, are worth 45, per fm. We are still engaged clearing and securing the 30 and 40 fathom level east of the Old Wheal Providence engine-shaft, on the same level, where we have discovered some tin ground, and shall commence working on the same next week; the stope in back of the same level, east of middle shaft, is worth 25, per fm. In the 30, east of Hosking's shaft, on the caunter lode, the lode is 1 feet wide, unsettled and mixed with kilias, spar, and mundie; the stope in back of the same level is not looking as well as when last reported on.—R. M. M

ground still continues hard.—Joseph Vivian: May 7.

WiffEAL WHITLEIGH.—The engine-shaft is completed to the 82 fathom level, dividings, casings, &c., fixed. We have this day commenced the cross-cut, and if the ground continues moderate we hope to pierce the lode in six weeks. In the 62 fm level south the lode is large and kindly, inclining much to the west, but at present unproductive. The stopes in the back of the 72 fm. level are yielding good quality work. The two parcels of ore last sold are now being shipped off, and we are progressing favourably for the next sampling.—J. Puckey; J. Grove: May 8.

gressing favourably for the next sampling.—J. Puckey; J. Grove: May 8. WHEAL WREY CONSOLS.—The cross-cut in the 23 fm. level is extended west towards the lode 3½ fms.; the lode in the 23 fm. level, north of the engine-shaft, is 3f, wide, producing ½ ton of lead per fm.; in the same level south it is 3f, wide, producing ½ ton of lead per fm. In the 12 fm. level north it is 2½ feet wide, producing ½ to nof lead per fm., and we expect a great improvement here shortly. The stopes are producing much as usual. We have this day sold a parcel of lead ore (computed 37 tons) to Messrs. Newton, Keates, and Co., at 17l. 11s, per ton.—P. Clyno, jun.; W. Hancock; B. Roskilly: May 9.

Che Mining Market; Prices af Metals, Ores, &c.

Sheathing and boitsp. lb. 0	s. d. 1 2 1 3	Brass (sheets)p. lb.	1 0%d. 11%d.	
Old (Eschange)	1 0%	Foreignnom. 22	Per Ton.	
Best selectedp. ton 129 Fough cake, 126	0 0	To arrive 23	0 0	
outh American "	_	In sheets 28	0 0 29 0	
	er Ton	8 8 17 9		
	7 15 0	English, blocks111		
Nail rods 8 0 0-		Ditto, Bars (in barrels) 112 Ditte, Refined114		
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Bars ditto 8 0 0-	9 0 0	Straits nom. 106	0 0-107 10	0 (
	10 0 0			
	5 5 0		11 0- 1 12	
	-	IX Ditto 1st quality 1	17 0 - 1 18	1
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litto, Swedish, in Lond, 15 10 0-	-	IC Coke 35 1	0 6-1 7	
Pig, No. 1, in Clyde 3 2 6-	3 3 0	IX Ditto , 1	11 6 - 1 13	, 1
LEAD.		Canada platesp. ton 14	0 0-15 0	1
English Pig 22 10 0-	-	In London ; 20s. less at ti	ne works.	
Ditto sheet 23 0 0-	23 10 4			
Ditto red lead 23 10 0-		Yellow Metal Sheathing p.	1b. 111/4 d	1
Ditto white 27 10 0-	28 0 0	Wetterstedt's Pat. Met p.	owt. 2 2	-
Ditto patent shot 25 10 0-	99 0 6	Stirling's Non-lamina- ting, or Hardened,		
Spanish, in bond 21 0 0-		ting, or Hardened,	0 0- 9 3	,
Printer woman, ************************************		Surface Railsp. ton		
POREIGN STEEL.		Stirling's Patent Toughened Pigs Glasg	5 5	
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English, Spring 22 0 0-	24 0 0	and the same of th		
			6 10	•
	-1s 11d		127-1-1	
. In Liverpool, 5s. per ton less.		+ In Liverpool 10s. per ton le ess. In Liverpool, 6d. per box	ins.	

REMARKS .- Since this day week, the changes in our market have bee trifling. Although there has been but a limited amount of business transacted in metals, their position generally is steady; still, at such critical times as the present, it is very uncertain and difficult to say what turn they are likely to take; consequently, too much dependance must not be placed upon our quotations; however, the prices quoted are those at which business has been done. For further details, we beg reference to our re-

business has been done. For further details, we beg reference to our remarks at foot.

COPPER.—The fixed price of this metal, as will be seen in the above list, remains as last quoted, and, judging from present appearances, there is not much prospect of any immediate alteration being made, as a satisfactory business is carried on.

IBON.—English bar in demand at 5s. to 10s. per ton under present prices, but few contracts have been passed. Rails are enquired for, but business has not been done to any extent. For Staffordshire iron, the market is dull, without any alteration to notice in prices. Scotch pigs have not been active at any time during the week; holders, however, have been enabled to realise little better prices, a gradual improvement having taken place. Buyers on 'Change to-day at 61s. 9d.; sellers, 62s., mixed numbers, g.m.b. f.o.b. in Glasgow.

IEAD.—English and foreign are in rather less demand.

Spelter.—Some parcels have changed hands at 22l. 5s., and 22l. 7s. 6d. The market keeps very inactive, and business could still be done at the former price.

former price.

Trn.—Both English and foreign are quiet.

TIN.—Both English and foreign are quiet.

TIN-PLATES.—A parcel of 3000 boxes IC coke are offering in our market at 24s. per box, but, as they are supposed to be damaged slightly, the price is no criterion of the value of good plates. There is also another parcel of about 800 boxes, same brand. The demand for coke and charcoal plates at the moment is but moderate.

STEEL.—A parcel of 302 kegs of Swedish steel has been sold: 100 kegs only how remain in our market, for which 181. 10s. is asked.

QUICKSILVER.—As last quoted.

MEMSEVEER

GLASGOW, MAY 10.—During this week our pig-iron market has remained remarkably steady, the fluctuations not exceeding 6d. per ton. Latterly a moderate business has been done at 61s. 3d. and 61s. 6d., prompt cash; and also at 61s. 6d. and 61s. 9d. fixed rates. The shipments are again considerably larger than expected, but the number of tons shipped foreign is in excess of that shipped coastwise by about 1100 tons. To-day our market was very firm, but with hardly any business to report. The closing prices are—Buyers, 61s. 3d. to 61s. 6d.; sellers, 61s. 9d. to 62s. No. 1, Gartsherrie, 67s.; No. 1, g.m.b., 62s. 6d.; No. 3, g.m.b., 61s. 3d. Shipments for the week ending May 5:—Foreign, 7598 tons; coastwise, 6520 tons = 14,118 tons. In the corresponding week of 1864 they were —Foreign, 3663 tons; coastwise, 11,667 tons = 15,330 tons.

M. Liverroot, May 10.—Orders for manufactured iron of all kinds continue light, to there is almost nothing doing, the dealers setting with greal caution at present the state of the state of the properties of the state of the market is rather firmer than last week. In 1 the dumbers, warrants, may be quoted to aday 61s., rather buyers.

Liverroot, Tay 10.—Orders for manufactured iron of all kinds continue light, and there is almost nothing doing, the dealers setting with greal caution at present and the state of the dealers are more closers. The light of the dealers are more closers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are merchant Barthy and the state of the dealers are setting with great caution at present and the state of the dealers are setting with great caution at present and the state of the dealers are setting with great caution at present and the state of the dealers are dealers and the state of the state of the state of the sta

PARIS, May 10.—The great demand for iron, noticed in our last Journal, continues unabated, and, in consequence of the upward tendency which the market exhibits, sellers are indifferent, and in some instances refuse to operate at present prices. Within the last few weeks, the quotation for Scotch pigs, Gartaherrie No. 1 (the favourite brand of the French ironmasters), has improved fully 10 per cent, and a further advance is anticipated. Holders are very firm; indeed, it may be said that there are no sellers of that brand. At St. Disier, great activity prevails, and former rates use casily maintained. The Anxin Mining Company have resolved that, from this date, the prices of their coal shall be increased 10 centimes per hectolitre. The Journal Collieries with the Mediterranean Railway has been referred to a commission of enquiry, which enquiry will terminate on the 18th inst. The Lead and Zinc Mining and Smelting Company (société anonyses), of Stolberg and Westphalis, have convened their ordinary annual meeting for the 30th instant, at Aix-a-Chapelle. The Vieille Montagne Zinc Mining and Smelting Company have declared a dividend for 1854 at the rate of 20 fr. per tenth of share, which will be payable from this day. The Charbonnages du Nord de Charleroi have convened their annual general meeting at Brussels for the 20th inst. With regard to the Belgian markets, we extract the following from the Journal de Charleroi :—At the meeting of ironmasters held at Namur, on the 3d inst., general complaint was made of the fownew orders which were being received, although during the last few days there appeared a little more animation, and buyers give former prices without hesitation. Business, at Liége, continues to be transacted at the same rates for iron, and there is a moderate demand, but for coal the demand is beginning to slacken.

MINES.-In addition to a larger amount of business transacted, there MINES.—In addition to a larger amount of business transacted, there has been more excitement in the market this week, consequent upon one or two good discoveries of ore having been made, and more than one mine having materially improved in general prospects. In mines where no change has taken place, prices remain about the same, though the tendency is rather downwards. East Bassets have been in great request, and the price has advanced from 30l. to 42l. 10s., 45l. This, however, is owing solely to the demand for shares, as neither of the lodes have yet been cut, although, as we stated a fortnight ago, the cross-cut driving to intersect the first of them is very near the point where it was expected to be met with. From North Wheal Robert, notice was received on Monday of a new and very important lode having been cut in the 30 fathom level, and shares, which had previously been very flat at 12l. to 14l., became in great demand, continued so all the week, and have left off at 26l. to 30l.; the discovery is in the old part of the mine, where, in cross-cutting in the 30 fathom level, the lode was met with 2 feet wide, nearly solid ore, and worth 50l. per fathom; this lode, it would appear, formed a junction with another lode at 42 fms. deep (not having been seen above), and in the back of this level is now yielding 5 tons per fm; the ore dips east, and the 52 and 62 fathom levels are both in course of driving towards it, the former being about 12 fms. off; as the two lodes go down together, large quantities of ore may be looked for when these levels are under the ground so rich in the 42 and 30; at the trial shaft, near Sortridge, the prospects are also improved. Herodsfoot has so much improved in the bottom levels, that the managar hopes now to meet the cost of working, and as the price of lead is advancing probably more may be done. North Towy has sold 20 tons of lead for 232l, and will now have regular samplings. Sortridge (Consols shares have been fine and surface of nearly 200l, per share since we first called has been more excitement in the market this week, consequent upon one or two good discoveries of ore having been made, and more than one mine

30l., in great demand; Herodsfoot, 2l. 10s. to 3s.; Trebarvah, 2l., 2l. 2s. 6d.

The price of lead ore is getting up, and if the enormous demand for lead which exists just now should continue, and there is every probability that it will, we may look for a further and very considerable rise in ores. We have long felt and expressed that, looking at the price of lead, the miners have been receiving inadequate prices for some months. The stock of lead in the smelters' hands must be getting low. The sales of ores are not so large as formerly, and there may be difficulty in meeting the demand, for although the home consumption for building operations is still small, the Government have been, and are yet, contracting for many thousand tons, large quantities being required for the Minié rifle balls, and it has now been found necessary to case with lead the balls for the Lancaster guns. We understand the French Government have been contracting for 16,000 tons of pig-lead, and require nearly as much more. Orders, also, guns. We understand the French Government have been contracting for 16,000 tons of pig-lead, and require nearly as much more. Orders, also, on a large scale have arrived this week from America. We hope these things will give a new stimulus to lead mines, which have been so long depressed. At the Holywell sale, yesterday, Orsedd sold 20 tons, at 131. 18s. 6d. per ton, being an advance of 11. 18s.; Merllyn, 10 tons, at 121. 17s. 6d.; and Garreg, 6 tons, at 131. 9s. 6d.

124. 17s. 6d.; and Garreg, 6 tons, at 13t. 9s. 6d.

At the Devon Great Consols eleventh annual meeting, on Wednesday, the accounts showed—Balance from last account, 15,210t. 4s. 2d.; carriage of ores, 1023t, 12s. 10d.; sales of copper ores, 151,467t. 10s. 7d.; fees on transfers, 9t. 12s.; interest on Exchequer bills, 103t. 15s. 3d.; interest on mony lent, 103t. 4s. 7d.; income tax on ores, 656t. 0s. 2d.—168,574t. 10s. 7d.—13y mine cost, 64,861t. 19s. 11d.; lord's dues, 11,685t. 13s.; timber, 6109t. 7s. 5d.; iron, 2030. 19s. 1d.; water rent, 358t, 11s. 11d.; Tamar fishery, 63t. 4s. 7d.; taxes, 1691t. 3s. 1d.; income tax, 2194t. 6s. 8d.; education of miners' children, 10d.; resident director's compensation, 600t.; London expenses, 716t. 15s.; directors and auditors, 442t.; dividends, 58,368t.; leaving balance, 18,965t. 14s. 11d. The balance of assets over liabilities amounted to 109,054t. 4s. 6d. Capt. James Richards reported that the quantity of ore in reserve was estimated at 73,700 tons. A fall report will be found in another column. The director's report is highly satisfactory, and the balance in hand has increased from 15,210t. to 18,966t. The proper meeting, on Monday, the accounts showed—

15,2101. to 15,966f.

At South Wheal Frances meeting, on Monday, the accounts showed—Balance to end of January, 5781.; ores sold, February 1, 27011. 12s. 11d.; March 8, 34071. 17s. 2d.; tin sold, April 21, 218f. 11s. 4d.; sale of materials, 16f. 9s. 3d. = 6344f. 10s. 8d.—Mine cost, Feb., 774f. 1ss. 3d.; March, 1244f. 3s. 6d.; merchants' bills. 699f. 7s. 7d.; dues, 421f. 17s. 6d.: leaving a profit of 3204f. 3s. 10d. A dividend of 2976f. (12f. per share), was declared, leaving in hand to next account, 806f. 3s. 10d. The mine, we are informed, is in a highly prosperous state: the quantity of ore discovering is much greater than that being extracted. The levels are in an excellent state, and it is believed that there is more than 100,000f, worth of ore discovered.

The Eyam Mining Company, at their meeting, on Thursday, sold 79 tone lead ore, which realised about 11001. The committee afterwards declared a division of 6501. (10s. per share).

At Great Polgooth Mining Company meeting, on Monday (Mr. P. D. Hadow in the chair), the chairman announced the severe loss the shareholders had sustained by the sudden death of Mr. Mcreler, one of the most active members of the committee of management, and whose services had been invaluable in placing them in their present satisfactory condition. The secretary read the notice convening the meeting, which was for the purpose of forfeiting all shares in arrand of call. In any committee of management, and whose services had been invaluable in placing them in their present satisfactory condition. The sceretary rend the notice convening them there present satisfactory condition. The sceretary rend the notice convening them meeting, which was for the purpose of forfeiting all shares in arrear of call. In answer to a question by a shareholder, it was stated that there were only 266 shares in arrear. After some discussion, a shareholder paid his call upon 100 shares, thus reducing the number of defaulters to 166. A resolution, in accordance with the 16th rule of the cost-book, was then unanimously passed, forfeiting the 146 shares; but it was intimated that, if the arrear of call was paid by the end of the week (this day), the committee would, at the next general meeting, request the restoration of those shares. The chairman said, that according to the last accounts received, the mine was continuing to give satisfactory returns. The proceedings then terminated with a vote of thanks to the chairman and committee.

At Orsedd Mine meeting, on the 4th inst. (Mr. J. Y. Watson, F. G. S., in the chair), the accounts showed—Balance from last account, 1451. 13s. 4d.; calls received, 1194. 15s.; ore sold, 7381. 13s. 6d. =1017. 3s.; 10d.—Mine cost, December to March, 3364. 2s. 10d.: leaving balance in favour of adventurers, 31l. 1s. The estimated balance of liabilities over assets was 312f. 4s. 3d. Mr. W. Ramsden reported that in the 40, at the engine-shaft, driving east, the lode was rather close, and the ground hard, they though the share of the share ng the

At the Barytes Company of Ireland adjourned quarterly meeting, bald at Walbrook House, on Thursday (Mr. James Houth in the chair), the secretary having read the minutes of the previous meeting, which were confirmed, the report of the committee, of which the following is an abstract, was submisted:—With respect to the mine, it appears that two shafts have been sunk on the course of the lode in depth of 10 fms. each, and in both cases the lode has so much improved in size that the lower workings it is now upwards of 13 ft. broad, and produces about 25 tons prefathom. From this portion of the mine upwards of 2500 tons of ore have been raised. With regard to the old workings, it has been considered advisable to lay them one ones extensively, by the sinking of a whim-shaft, to cut the iode in the 20, and its completion a large extent of valuable ore ground will be laid open. Sales to its completion a large extent of valuable ore ground will be laid open. Sales to its completion a large extent of valuable ore ground will be indeed on the 20, and its completion a large extent have already been made, and, from the superior quality of the ore, indefined the part of the success of the undertaking. It would appear that considerable difficulty has been experienced with respect to the regular per centage of ore from the mine to the port of shipment, from the dependence of the company on the very limited resources of the neighbourhood: to obviate that difficulty, it is proposal to purchase carts and horses, by which means regularity in its conveyance will be a cured, and a considerable saving in expense will be effected. The result of the workings of the mine for the past nine months shows a balance in its favour of 458t. In The report and accounts having been received and adopted, the meeting company of the will be a country of 458t. A second of the company of the will be a country of 458t. A second of the country of 458t. A s

Great Wheal Vor Mines produced black tin to the value of 10601.6s. 2d.

Great Wheal Vor Mines produced black tin to the value of 1060l. 6s. 2l. in three weeks working.

At Sortridge and Bedford, Captain T. Treweeke reports that during the quarter the engine-shaft has been sunk 8 fms. below the 20 fm. level, and specishorily to cut the lode. In the 20 fm. level there is good tin ground, producing 3k owt, per fm.; the backs laid open are expected to give a balance of profit of 638l, its. The trial shaft is down 2 fms. 3k ft.—a fine looking copper lode, 6 ft. wide, win good stones of ore. By the Tavy a lode has been cut between 3 and 4 ft. wide, blast and yellow ore. The engine and machinery were working well.

A report from the committee of management of the Ivybridge Mine will be found in another column, showing the steady progress of that valuable undertaking.

The Cwmdyle Rock Company have received information that reports have been spread amongst the work people, with a view of inducing them to desert the mines, upon the ground that some dissension existed at the Board of Management in London. It is to be regretted that some injury has arisen in consequence, but we are informed that the directors are adopting energetic measures to discover and prosecute the author. We need scarcely add that the greatests harmony exists bela among the committee of management and the shareholders.

The Welsh Potosi Mining Company have received a favourable report from Mr. Wilkinson, the manager. He states—"I am proud to say the mine never looked so valuable; we have made No. 1 stope double the length, or at least 15 ms. Added to this, we have cut a branch of ore turning south at the east end, and rounding behind the present stope; this is 4 feet wide, and as near solid as possible. At No.1, in the 10, we have driven and opened ground which looks beautiful; the ore is soming more like No. 1 as we go west, and will give us good returns. We are making pogress with the new floors, and the wheel is up."

Mr. Harris's letter, on the Great Cambrian Mines, in another column, gives some very favourable resu

Antimony has been found in the neighbourhood of Dolgelly.

Antimony has been found in the neighbourhood of Dolgelly.

During the week, shares have changed hands in the following:—
DIVIDEND MINES.—Alfred Consols, Bedford United, Comford, Devon Great Consols, Dhurode, East Pool, Gonamena, Herodsfoot, Hingston Down Consols, Mendig Hills, Merllyn, Nanteos and Penrhiw, North Pool, North Wheal Basset, Par Comeb, Rosewarne United, South Caradon, South Tamar, South Wheal Process, St. Abyn and Grylls, Stray Park, Tincroft, Trewetha, West Basset, West Caradon, Wat Previdence, West Damsel, West Wheal Scton, Wheal Arthur, Wheal Basset, West Editor, Wheal Charlotte, Wheal Clifford, Wheal Exmouth and Adams United, Wheal Buller, Wheal Charlotte, Wheal Clifford, Wheal Exmouth and Adams United, Wheal Golden, Wheal Jane, Mining Company of Ireland.

MINES WHICH HAVE SOLD ORE.—Boscean, Cae-Gynon, Callington, Carnyorth, Carvannall, Clijah and Wentworth, Craddock Moor, Cwm Darren, Devon and Courteny, Dyfngwm, Eaglebrook, East Basset, East Tamar, East Wheal Rose, East Wheal Vor, Garzeg, Gilmar, Grambler and St. Aubyn, Great Onslow Consols, Great Sheb Consols, Great Wheal Eadder, Great Wheal Eadder, Great Wheal Eadder, Great Wheal Fort, Wheal Eadder, Great Wheal Cofty, North Wheal Robert, Orsed, Pednadera, Porkellis United, Rheidol, Sortridge Consols, South Carn Brea, Wheal Capid, Wheal Trano, Wheal Grenville, Wheal Harlett, Wheal Kitty (Uny Leint), Wheal Tebidy, Wheal Uny, Wheal Zion, Yooland Consols, Barytes Company of Ireland.

MINES WHICH HAVE NOT SOLD ORE.—Buller and Basset United, East Carade, Rat Wheal Robert, Nant-ar-Neile, Retailask United, Severn, South Buller and West Penstruthal, Tamar Maria, Wheal Ludoott, Wheal Pollard, Clew Bay.

In Foreign Mines, the market closed flat; United Mexicans changed

Mines which have not sold one—Buller and spacet United, Part Calabase Wheal Robert, Nant-ar-Neile, Retallack United, Severn, South Buller and Wet Penstruthal, Tamar Maria, Wheal Ludeott, Wheal Pollard, Clew Bay.

In Foreign Mines, the market closed flat; United Mexicans changed hands at 6½, and National Brasilian 2½, being the only two companies of this description in which business was done yeaterday. The closing price of imperial Brasilian was 3½ to 3; St. John del Rey, 31 to 35; Cobre Copper, 34 to 56; Coping, 23 to 24; Fortuna, par to ½ pm.; Linares, 7 to 7½; Lusitanian, ½ to ½ pm.; Pentitions are merely nominal:—Culchote Copper, 1-18 to 3-16 per share; Jamata Copper, ½ to ½ per share; Cologne Lead, 3-16 to 7-16 per share; Obernhof, ½ to ½ pm. At the Jamaica Copper Mining Company meeting, on Tuesday (Mr. Kemshead in the chair), the report of the committee of investigation was submitted, which recommended winding-up the company. A resolution was, after a lengthmad discussion, unanimously passed, recommending a call of 2a, 6d, per share, to further prosecute the adventure, and every shareholder present, including some of the committee, signed the resolution. The proceedings, which are fully detailed in another column, terminated with a vote of thanks to the chairman.

At the Agua Fria Gold Mining Company meeting, on Monday (Prof. Ansted in the chair), it was announced that the debentures subscribed for amounts to 10,5601, being 5501, above the minimum required by the directors, consequent the company will proceed with their operations. As it is considered desirable that full amount (15,0001,) should be obtained, the time for making application for the remaining 4440 shares was extended for a week. The proceedings terminated with a vote of thanks to the chairman and directors.

At the Vicille Montagne Company meeting, on the company, reported with the place of M. Sachard, who was and directors, held at Angleur an the 20th April, M. Saint Paul de Sincay, the directors, conceptually with a vote of thanks to the

mines in 1854 was 64,337 tons of ore, and 71,119 tons of coal.

The Alton Mining Association have received their report, from the 7th to the 18th of April:—

Rairas.—The workings continue to make the usual good progress, and the stopes in bottom of Labouchere's yield fair returns of ore, and still hold out cheering prospect. OLD MINE.—In Bergmenter's western stope, the size of the loads is much decreased, being only shout 4 feet wide, and from appearances we cannot hold out much hop of a permanent improvement on this side of the silder, which, having before passed through the lode in the adit level and other places, has in every instance cut it of. The prospects in the tramroad level are improved; the lode in the upper part of the changes in this level, and still expect, from appearances in the upper wetnings, to meet with something remunerative when further advanced. There is no marrial change in the stopes above this level, each yielding about the same quantity of the part of the stope and the stope and the stope of the stope and the

good progress; the lode is not large, but yields some good werk, and looks promising.

The Linares Mining Company have advices to 30th April, which are not very favourable, with the exception of the North lode. In the 85 fm. level, it the engine-shaft, the lode contains calcarcous spar, and is at present without lead. The 73 had been extended in April 1 vara, the lode is unproductive, and had not beet re-set. East of engine-shaft, in the 75 cast, the lode is unproductive, and had not beet in Manuel's winne, sinking under the 63, worth 2 tons per fathom. In the 65, cast of Cortex winze, the lode is worth 2 tons per fathom. In the 65, cast of Estebaris winze, the lode is worth 2 tons per fathom. In the 65, cast of Galeros winze, the lode is worth 1 ton per fathom. In the 65, cast of Galeros winze, the lode is worth 1 tons 25 to 3 tons per fathom. In the 63, cast of Galeros winze, the lode is worth 2 tons, and in the 31, cast of Taylor's, about 3 was in a fathom. The tribute pitches were set at moderate prices. The Easter holizoph had hindered the men during the month.

The Grand Duchy of Baden Chartered Mines have the entered a report.

had hindered the men during the month.

The Grand Duchy of Baden Chartered Mines have received a roport, dated Freiburg, May 2:—In the end east, in Wilhelm's level, there is no charge; the lode is split up, and without ore. In the end west, in Wilhelm's level, there is no charge; the lode is 8 in. wide, worth 3 cwts. of ore per fathom; the rise in the basek of this level has been stopped. The end going west from bottom of winse No. 4 has also been stopped; in its place a rise has been set to meet a new winse (No. 7), the plat of which was commenced in the Wilhelm's level, peterday. Pitch No. 2, the hole is 9 in. wide, worth 4 cwts. of ore per fathom. Doth of the workings will shortly come into good orey ground, and were, therefore, not atoped. Pitch No. 10, in the back of the Wilhelm's level, has been stopped. In pitch No. 1, the lode is 9 in. wide, worth 4 cwts. of ore per fathom. In pitch No. 11 the lode is 2 feet wide, worth 5 cwts. of ore per fathom. In pitch No. 11 the lode is 16 in. wide, worth 5 cwts. of wind per fathom. In the rise west, in the back of middle level (which I deem it advisable to continue for the present, not having got the entire lode below), the lode is 15 feet wide, worth 5 cwts. of ore per fathom. In the cate of in did level (which I doed is 15 feet wide, worth 5 cwts. of ore per fathom. In the end driving west from bottom of winse No 5, the lode is 16 feet wide, worth 5 cwts. of ore per fathom. In the end driving west from bottom of winse No 5, the lode is 16 feet wide.

The The state of t

wits, worth 2 cwts. of ore per fathom. In the end driving north from bottom of the Schindler winze, we have set a cross-cut, as we think we have not the whole of the lofe. I have set the plat from the Schindler winze, (No. 2), in the Trudpert's level, at 155 fets tooth of Schindler winze, No. 1. Pitch No. 11 south, on Schindler lode, has been set for this month; I expect to raise some good ore from it. In the old adit we reiterday cut what appears to have been a winze from some upper level; it is full we reiterday cut what appears to have been a winze from some upper level; it is full aways. During the month of April, 312 cwts. of ore were dressed and a nat to the gesting works, making a total of 700 cwts. (35 tons) for the present campaign.

The Lusitanian Mining Company have advices from Capt. T. Chegwin, their mining agent at the Palhal Mines, Portugal, dated April 27th, of which the following are extracts:—

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The Lusitanian Mining Company have advices from Capt. T. Chegwin, their mining agent at the Pallal Mines, Portugal, dated April 27th, of which the following are extracts:—

PALILLA—The looks at Taylor's engine-shaft, sinking below the 8 fm. level, 12 ft. wide, west 1 ton of ore per fm. The lode in the 5 fm. level, west of Roye's winze, is still egilt into strings, and letting out several small streams of water; the lode is composed deran and strings of mandle. The stopes No. 1 will be resumed next week. The lode in the stopes No. 1 will be resumed next week. The lode in the stopes No. 1 will be resumed next week. The lode in the stopes in the back of the adit, west of Taylor's engine-shaft, is 2 ft. wide, worth \(\frac{1}{2} \) to per fathom. The lode in the winze in the back of the adit, west of Taylor's engine-shaft, is 2 ft. wide, worth \(\frac{1}{2} \) to per fathom. The lode in the winze in the back of the adit, west of Taylor's engine-shaft, is 2 ft. wide, worth \(\frac{1}{2} \) to per fathom. The lode in the winze of a blackish capel and prian. We have a cutting about 176 fms. west of Taylor's engine-balaft for 40 fms. In length, and from \(\frac{1}{2} \) to the course of a north and such lode to the west of our present workings, which is about 176 fms. west of Taylor's engine-balaft for 40 fms. In length, and from \(\frac{1}{2} \) to deep our east and west lodes show very plain. Here there are two lodes about 20 fms. apart, each about 3 fm. wide, composed of elvan, prian, and a little goesan. The source of these lodes appears to be regular according to the traversing. We think of opening on one lode more in the western hill; then we shall turn our attention to the eastern hill. In the eastern hill there is an old mine, said to be a lead one, which is full of water and staff, and now the season has become drier, we think we can get at learned out, as it is of likely to cost more than 4.0 ce?. Some say it is good, and others say it is good and others and a way a fast as we can get carts to do it; the

calculating at what rate, because sometimes we can get earts, and at others cannot, but will get it off as fast as possible. [The Jusan Ann, with about 100 tons of copper or from the above mines, has lately arrived at 8 wanses.]

The Iberian Mining Company have received their report for April:—
No. 1 Land Mine.—We have finished the whole of the tramway in the deep adit and the whims underground. We should have been forking the water in the main shaft, but I have thought it best first to get out the arches in the back of the adit, and clear way a lot of stuff in the old stopes, which we find to be very leady, and worth taking out. In the San Benite level we have out the lode, which we are driving on both ways; there is a branch of ore in both ends, and for killas ground is not looking bad; the lode never makes well here but in the sandstone. The ground is fair for driving, and the men are making wages at \$5 the vara (2l. 1s. 6d. per fathom). We are getting on with the dressing-floors.

No. 3 Land Mine.—The adit is in 231 feet, the tramway is now carried close in, and we are getting out the broken stuff much cheaper than formerly.

The Peninsular Mining Company have received their report for April:—
No. 1 Coppen Mine.—The eastern part of the mine is looking better than when I last reported. The Interessnet shallow level is in a very good lode; the ground is rather tight. Juan's stope, in the back, is set to six men, at \$9 the vara (3l. 1s. 8d, per fishom). Aldecoa's stope is set to four men, at \$8 the vara (3l. 1s. 8d, per fish.) is leaded in the pretty fair quality ore. In the old stope, in the back of the shallow level; we have been breaking some very good ore. In the Biscayna east pitch this ore is very aquatty; there is a large bunch in the middle, but the ends are poor. In the 12 fm. level, weat stope, the lode is giving very fair ore. We are doing nothing in Guilleron's stope now, but will sat the gain next month. Arteche's and Douato's stopes are set at \$6 the vara (2l. 1s. 8d. per fm), and Francisco's sto

Minerwo), consisting of 135 tons, for 11661. 7s. 6d.; and a carge of about 100 tons (per the Junita), has arrived at Swansea, and will be sold on the 22d of May.]

The Wildberg Great Consolidated Mining Company have received the report of the mining captain, dated May 3: -West Mine: The lode in the Blumengang sink will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. No. 2 middle stope will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. No. 2 middle stope will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. No. 2 middle stope will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. No. 2 middle stope will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. No. 2 middle stope will produce at the stope in the back of the 20 fathom merel, we so of silver-lead ore per fm. The Dean's stope, in the back of the 20 fathom irel, we so of silver-lead ore per fm. Dean's stope, in the back of the 20 fathom irel, we so of silver-lead ore per fm. The Dornergang winze, sinking below the 15 fm. level, east of Michael's shaft, will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. The Dornergang winze, sinking below the 15 fm. level, case of Michael's shaft, will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. The Dornergang winze, sinking below the 15 fm. level, case of Michael's shaft, will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. The Dornergang winze, sinking below the 15 fm. level, case of Michael's shaft, will produce \$\frac{1}{2}\$ tons of silver-lead ore per fm. Carter's angine-shaft to the Erbtiefstergang and the Dornergang lodes. Allows surface works are progressing rapidly, with the exception of the stone carrying from the quarry for our new buildings. We cannot get horses and carts for money, is consequence of bleir being so busily engaged in putting in their corn and potatoes. The engineman is still progressing well with his work. The water-wheel for the blast-furnace at the smalling-works is completed. The setting-list for May and the measurement for April shall be sent o

in Lordon are conducted free of expense.

The Agua Fria Gold Mining Company have advices to the 28th March last. In consequence of the commercial crisis, and the difficulty of obtaining money, the works had been suspended, but were resumed on the 21st March. The underground operations had been carried on, and the mine further developed. They had it heals of stamps at work, which crushed nearly 3 tons per head in 24 hours. Some of the men had been paid with a portion of the gold obtained by the week's work, and the balance, 183 oza, had been sent to the mint at San Francisco.

of the men had been paid with a portion of the gold obtained by the week's work, and the balance, 182 cas., had been sent to the mint at San Francisco.

The foreign arrivals at Swansea include—from Barbia, 140 tons of silver ore; from St. Malo, 72 tons of silver ore; from Cuba, 493 tons of copper ore, and 495 bars of lead; and from Garrucha, 114 tons of copper ore. There have also arrived, the Ounters of Bective, and the Lady Piris, from Cuba, and the William Marsland, som Coquindo, laden with copper ore.

From California, we have advices to April 1, by the George Law, which arrived at New York on the \$4th, with \$772,600 in tressure. Trade in California had not improved; inner was difficult to get; but the miners are generally reported to be doing well. The excitement regarding the new Kera River Mines had subsided. The amount of gold ship, def from 5an Francisco for the first quarter of 1935 was \$1,903,313, less than in 1834 by \$1,768,857.

From Australia, we have advices to the 15th Feb., by the Champion of the Seas, which arrived in the Mersey yesterday. She left Melbourne on Feb. 15, and brought, besides the mails, 240 passengers. Her freight consists of nearly 50,000 oxed gold, and wool. She reports the arrival at Melbourne of the James Baines, on the 1st Feb., in 63 days, from Liverpool. Also the following vessels at Melbourne—the Goldjader, Marvedt, Gippy Bride, Almora, Glesmorna, from Liverpool; the Assawa and Camaon, from London. On Thureday, the Victoric also arrived, having on freight 30,000 covereigns, and the John Kulte with 1950 cas. of gold, and wool. She regords, and the John Kulte with 1950 cas., and 25,000 coverings. The Lade is also reported, and shortly expected, but the amount of gold on the arrivals of gold at a per cent. The miningheeounts are reported to be favourable, and generally improving, though its paining to gold at bear of the arr

The mininglecounts are reported to be favourable, and generally improving, though three shipments of gold take place. The price of gold at Melbourne, 24. 18a, 9d. per or. The Lucy N. Hall has arrived at Swanson, with upwards of 600 tons of silver ores sestimated to be worth about 10,0002, sterling.

The Anne Forster, from Adelaide, has 220 tons of copper ore on freight, consigned to the English and Australian Copper Company.

The Alten Mining Company have received advices of the shipment of 100 tons of refined copper, from their works in Norway, the arrival of which is daily expected at Newcastle-upon-Tyne.

The Forster, from Mining Company have convened their annual general meeting for Monday, which is looked forward to with some interest, from the favour-have had numerous applications during the week for the reserved shares.

The Imperial Brazilian Mining Association half-yearly meeting will be held at the offices on Turaday next.

The adjourned meeting of the Holmbush Mining Company will be held on Wednesday next.

The Great Cowarch Mining Company have called a meeting for Monday, at which Mr. Low is expected to attend, and explain the prospects of the future operations with respect to gold.

At the National Provincial Bank of England meeting, on Thursday (Mr. Lawrie in the chair), the total balance in favour of the company was 189,800. 13s. 8d. out of which a dividend, at the rate of 8 per cent., and a bonus of 6 per cent, was, a vote of thanks to the chairman.

In the Gold Mining Share Market, a small amount of business was done justemed in the following the followed the substance of the proceedings, which are detailed in another column, terminated with the following the follo

In the Gold Mining Share Market, a small amount of business was done interest in the following:—Anglo-Californian, &; New Granada, %; Nouveat Rock, &. The closing price of Agus Fris was. % to %; Carsons Creek, % to & Dassala Bold, % to %; Grant Nugget Vain (registered), % to %; Quarts Rock, % a %; Waller, % to %; West Mariposa, % to %.

In Miscellaneous Shares, a fair amount of business has been transacted throughout the week, and improved prices generally obtained. Crystal Palace shares have been freely dealt in at 3½ to 3%, and the closing price yesterday was 3½ to 3%. Land shares have also remained firm, transactions taking place yesterday in Australian Agricultural at 29½; Scottish Australian Investment, 1½; ditto New, ½ to ½; South Australian Land, 36½; General Screw Steam Shipping Company, 14½; Royal Mail Steam, 69½. The closing quotation of the Berlin Water-Works was 3½ to 3; South Australian Land, 36 1½; Feninsular and Oriental Steam, 99 to 61; ditto New, 11½ to 1; Peck River, 2½ to 2½; Peninsular and Oriental Steam, 99 to 61; ditto New, 11½ to 12; Submarine Telegraph scrip, ½ to 1; ditto Registered, ½ to ½; Van Diemen's Land, 13 to 13½. Joint-Stock Bank securities continue to occupy the attention of speculators. At the National Provincial Bank of England meeting, the dividend declared was at the rate of 3 per cent, and a bonus of 6 per cent. Shares changed hands yesterday in Australians at 30 to 31; English, Scottish, and Australian Chartered Bank of Nativals (27%; London and Westminster, 43½; Oriental Bank Corporation, 40% to 40. The closing price of Chartered Bank of Australia, Australia, and China, 1 to ½ dis.; Chartered Bank of India, Australia, 60 to 70; ditto New, 7½ to 8½.

In Iron and Coal Companies, during the week, there has been very little

In Iron and Coal Companies, during the week, there has been very little doing; the prices are—Blaenavon Iron and Coal, 4 to 6; British Iron, 4 to 6; Portland Iron, 1% to 1%; Rhymney Iron, 19 to 21; ditto, New, 5 to 6; Duston, % to %.

and Iron, 1% to 1%; Rhymney Iron, 19 to 21; ditto, New, 5 to 6; Duston, % to %.

ADELAIDE LAND AND GOLD COMPANY.—In the Court of Chancery, on Monday, an appeal was argued, before the Lords Justices, from a decision of Vice-Chancellor Woods, in the cause "Butt e. Monteaux." The suit was instituted by the plaintiffs on behalf of themselves and all other shareholders in the Adelaide Land and Gold Company, against the defeadants, as the managing body of the company, praying that an account might be raken of all moneys received by the defendants on account of the company; that a receiver or manager might be appointed; that the defendants on the management; and that they might be restrained from dealing with certain shares in the English, Scottish, and Australian Chartered Bunk; and that the said shares might be each for the benefit of the plaintiffs. In Dec., 1852, the company was projected as a societe en commandite, with a place of business in Paris and London: the seat to be in the former city. The plaintiffs getting disastished, asked for the production of books, which they alleged was refused, and, therrupon, this bill was filed. The defendants demurred to the bill. They contended that the company was foreign, and that to give the plaintiffs are medy, the company should have been registered under the Joint-Stock Companies' Act. The plaintiffs rejoined, that the shareholders were principally English, and that the actual places were in London and Australia; and that the company was only formed as a French society, with a view to limited liability. The Vice-Chancellor disallowed the demurrer, on the ground that the parties could legally enter into such an arrangement as between themselves, and it could not be anied that the defendants were not bound, supposing the allegations in the bill to be true, to account. Their Lordships expressed their opinion that the arguments in appeal upon the demurrer should not be proceeded with. They directed that the demurrer should not be proceeded with. They directed that the demu

a great deal of poetry in it. The above question was only raised upon a technical point, and in effect reverses the decision of Vice-Chancellor Wood in the Court below.

In the Court of Exchequer, yeaterday, an action was brought to recover a sum of money for services rendered in respect of a contemplated company for obtaining gold in certain districts in Australia. Mr. Rowlandson (the plaintiff), who formerly lived at Brompton, but now resides in Staffordshire, stated he had been engaged by Mr. Rogers and Mr. Fenton (the latter gentleman having since died) to assist them with his services in regard to the geological knowledge he possessed as to a company they proposed to establish for the purpose of finding gold in a certain district in Australia. He stated generally he was engaged by these gentlemen, with reference to the contemplated gold mining company, in giving them his advice and assistance from the 21st of November, 1851, to the 15th of December of the same year. That he had to read many scientific works, in short, to read himself up, for the purpose of forming an opinion as to the probability of gold being found in the district Messrs. Rogers and Fenton had taken, and he had bought a skeleton map at Wylde's, and marked the spots where gold was to be found.

Baron Martin: If I were you, I would have gone out, and got some of it. (A laugh.) In cross-examination, the witness stated he had been appointed consulting civil engineer to an intended company for getting diamonds in Brazil, but quitted it as soon as he found out the character of the concern. As consulting engineer he h.d. like some consulting barristers, very little to do. The diamond company failed because he withdrew his name as consulting engineer, and from an article in Pusech. (A laugh.) Was never consulting engineer to a patent muffin company. (A laugh.) Helonged to an artificial manure company, the epital of which was to have been 90,000., in 18,000 shares. It also appeared that Kowlandson, in a letter written to 90,000., in 18,000 shares.

ever engaged the plaintiff, as all god: and the jury, believing there was no contractond a verdick for the defendant.

In the Court of Exchequer, yesterday, a case of disputed liability we heard, in which Mr. Evans, merchant at Aberystwith, sued Mr. De Castro, a holds of 10 shares in Court Grange Silver-Lead Mining Company, for 132. 2s., for work an labour done. The defence was that although notice had been given, the transier hanever been effected, and that defendant was not a shareholder, the mine being of the Cost-book Principle. The Court, taking the facts proved and admitted, overrule this view, and directed a verdict for the plaintiff, with leave to apply for a nonsult.

The action, "Vials v. Lord Robert Clinton," reported in last week Journal, whereby the captain of Court Grange Mine obtained a verdict for thremonths' wages from his lordship, as an adventurer, was re-argued in the Court Exchequer, on Monday, when the Court granted a rule for a new trial.

THE DINAS COPPER MINING COMPANY.—In the Court of Exchequer, or Thursday, an action was heard, in which Mr. Pattisson, of the firm of Wilson an Pattisson, holicitors, sued Jones, the secretary of the company, and others, for 431. 10 being the amount paid as deposit on shares. The complaint was that false representations had been held forth, which had induced the plaintiff to take shares, at the jury found a verdict for the plaintiff for the amount claimed.

Minning Speculations.—Mr. David Halket, shipowner, of St. Helen's

the jury found a verdict for the plaintiff for the amount claimed.

MINING SPECULATIONS.—Mr. David Halket, shipowner, of St. Helen' place and Herne Bay, underwent an examination at the Court of Bankruptey (Wednesday. Thesecounts began on the lat of January, 1852, with a surplus of 25,36 The bankrept now owes to unsecured creditors [6,329.1; to those holding securit 5850]. The sasets were thus stated:—Good debtors, 25814.; doubtful ditto, 1858 mining shares, 28904.; steam-tug shares, 7004.; property held as security, 655. The profits were returned at 50754., of which 39474, was stated to be on mining share 16474.; on mining shares, 75434.; ship shares, 1,9614.; adventure account, 7101 balance of profit and loss account, 1414.; furniture, 2064.; expenses of various kind about 6000. Mr. Linklater (for the assigness) requiring time to examine the account an adjournment of three weeks was ordered.

The Duston Iron Ore Company received at the London offices, yested day, eamples of pottery made from the clay on their estate in Northamptonshir They are very fine specimens of various articles for domestic use, and worthy an ipection by the shareholders, and other parties interested.

A special delegate meeting of coal miners is convened for Monday nex at Mr. Saxon's, Wheatsheaf Inn, Manchester, for the purpose of taking into conside ation the present state of the coal trade; also "the rash and unnecessary reduction of wages," commenced at Wigan, but now spreading through other districts. Ever colliery, whether in union or not, have been desired to call meetings amongst the selves, to appoint a delegate to represent them at the above meeting.

SHEFFIELD, MAY 9.—Our correspondents (Mesers. E. Smith and Son) state that transactions have taken place in Brightside Mine, at 73½ ex div. Prices generally are stationary, though with rather more enquiry than of late.

HULL, MAY 10.—Our correspondents (Mesers. T. W. Fiint and Co.) state that there is still very little doing in their market for mining shares. Buyers are scarce, but on the other hand, holders do not press their stock for sale. Railway shares are with out change of importance; indeed, the only business done now is for investment, although a specialistic disposition would, doubtless, soon show itself, if political mattern assumed a more settled appearance.

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Ticketing	at the White Hor	se Hotel,	Holywell	10th May.
nesyrerwddu	95	£14	7 6	Walker, Parker, & Co.
etia Llya	26	15	4 6	J. P. Eyton.
ep Level	40	13 1	1 6	Walker, Parker, & Co.
acre				J. P. Eyton.
lywell Level			4 0	Newton, Keates, & Co.
sedd		13 1	8 6	J. P. Eyton.
rllyn			7 - 6	ditto
rreg			9 6	Walker, Parker, & Co.
wich Gwyn	60	14		ditto
artnadyne				
allee	1012			Newton, Keates, & Co.
hiwarth			8 6	J. P. Eyton.
yntail				
orn	13	19 1		44.4
ditto		12 1		
W1540	Sold on th			and the state of t
orth Towy	16	£11 1	8 0	Sims, Willyams, & Co.
ditto	***************************************	10 1		
ale of Towy	1			*****
ditto	17		0 0	
Walles	***************************************	13	0 0	
ope Valley			7 6	
ound Hill	Bold on	the Miss		THE THE PLANTERS AND
the state of the state of	Bold on	the Mine		The second second second
rewetha	************* 25	2528	2 0	
ditto	17	10	5 0	-

										nd 4t	a 20	ay.				
Mines.		Tons	e.	q.	16.	. F	rice	per	tor	1.	A	mo	uni		Purch	LOBETS
Porkellis '	United	. 5	3	1	24		£62	10	0		£3	23	6	6-1	Bissoe	
ditto	************	. 1	0	0	25		49	10	0			50	1	0-	ditto	
ditto	*********	. 0	6	1	2			10	-	******		10	16	2-	ditte	
ditto	**********	-	9	8	14				-	******	-	13	7	1-1	feliar	
ditto	**********		17	ĩ								94	2	10-	ditte	
ditto	*********		16	î	15		36	5	0			29	13	9-	ditte	
						Sold	on th	he 3	dh	tay.						
St. Austell	Consols	. 1	6	1	12		£60	15	0			80	1	2-1	Entho	ven.
St. Austell ditto	****** ****	. 0	2	2	9	*****	38	0		******	-		15	8-	ditte	
					1	Sold .	on th	e 51	th 2	May.						
Great Wh	eal Vor	. 17	15	2	17							60	6	2-		_
							d on									
Yeoland	Consols	4	10	0	- 0	100	£61	7	6	ine.	2 1	76	9	9-	Dank	
a commu	Outsidose ,		40			*****				*****					******	

Sampled April 18, and sold at Swansea May 8, 1855.													
lons. Produce.	Price.	Mines.	Tons.	Produce.	Price.								
129 7%	£8 9 0	African	50	8216	£36 6								
88 12	13 11 6	ditto	10	2434	. 27 13								
66 111	13 5 6	ditto	19	35	. 39 8								
65 121	13 12 6	Holyford	40	1814	. 21 5								
63 12%	. 14 3 0	ditto	34	181	20 10								

ditto 51 8½ ditto 43 10%	9	19	6	Chili 33 Cronebone 15	6%	17 15	6
Berehaven119 10 %	11	6	6	ditto 2	34	88 0	0
ditto 80 10%	11	0	0	Tigrony 2	34 1	38 2	0
African 50 34	37	19	0	Spanish 13	16%	19 2	0
ditto 20 27 1/2	30	-					
	TO	TAI	P	RODUCE.			
Knockmahon 505 £	\$5915	12	6	Chili	33	£586 11	6
Berehaven 199	2127	13	6	Cronebane	. 17	182 17	6
African 149	5343	1	6	Tigrony	9	76 4	0
Holyford 74	1907	- 7	0	Spanish	. 13	248 6	0

COMPANIES BY WHOM THE ORES WERE PURCHASED.
Tons. Amount.
Copper Miners' Company 108 £1400 11 0
Freeman and Co. 119 1247 13 0
Grenfell and Sons 171 2352 16 6
Sims, Willyams, Nevill, and Co. 43 1506 5 6
Vivian and Sons 184 3043 6 0
Williams, Poster, and Co. 204 3968 5 0
Williams, Poster, and Co. 204 3968 5 0
Williams, Poster, and Co. 204 3968 5 0
Mines Royal Company 96 1354 17 6
Mason and Elkington 34 697 7 0
F. Bankart 35 586 11 6 Total992 £16,387 13 6

Copper ores for sale on May 22.—Cobre 108, 106, 93, 58, 57, 55, 18, 11, 10, 20, 5—Berchaven 116, 93, 115, 114—Ballymurtagh 86, 8, 74, 57, 24, 64, 30, 37—Encekmahon 115, 105, 43—British Sing 82, 21, 13, 22—Prenisular 76, 19—French Sing 43—Molland 27—French ore 10.—Total, 1937 tons.

	P	AVER roduce.	T)	rice.		Stan	dare	1.
British		11 3-16	£12	16	0	 £134	8	0
			-		_			_
	Rale	14%	£16	10	6	£128	10	-
To	Sale tals—British, 7					is.)		
To	AVE	RAGES O	P LAST	SAI	E			
	AVE	RAGES O	P LAST	SAI rice.	E	Stan	dar	d.
	AVE	RAGES O	P LAST	SAI rice.	E	Stan	dar	d.
	AVE	RAGES O	P LAST	SAI rice.	E	Stan	dar	d.

COPPER ORES.
Sampled April 25, and sold at Tabb's Hotel, Redruth, May 10.

890	Mines.	Tons			rice.		Mines.	Tons			rice.	
		155		£5		0	Halamanning				15	1
and	ditto .	121		6	11	0	ditto	23		9	9	1
ct,	ditto .	91		7	0	6	Rosewarne U			6	. 5	1
	ditto	85			10	6		48		6	17	1
ras	ditto	83		6	18	0		42			10	4
ler	ditto .	76	*****	7	7	0	ditto .	39		5	16	9
nd		68	*****	5	.7	0	Levant			7	7	1
bad	ditto	47	*****		14	6		41		0	18	1
on	ditto	46	*****	3	12	0		40		9	13	1
led	West Wheal	Basset103		5	17	6		33		4	3 .	1
t.	ditto	80		3	18	6				17	.5	1
	ditto	72	****	3	15	6	West Alfred	Consols 52		3	4	1
k's		71		7	6	6		47		2	1	1
ree	ditto	67	*****	6	14	0				3	7	1
t of	ditto	52	*****	.7	10	0		15		13	14	1
-	ditto	51	*****	11	12	0	Great Wheal		*****	4	1	1
	ditto	47		9	9	6		37		2	8	1
on	ditto	36	*****	. 8	9	0		30		7	15	
ind	ditto	35		16	4	0	South Creave	T 78		3	11	1
0s.,	ditto	32		2	17	0	ditto .	61		2	7	1
re-	Carn Brea	88	*****	10	7	6		9	*****	10	1	1
and	ditto	87	*****	4	19	6	Clijah and W	entworth. 64	*****	3	14	
	ditto	65		7	12	6	ditto	44		7	.8	Ì
18"	ditto	59		- 5	2	0		36	*****	6	8	Ì
on	ditto	53	*****	2	5	0	Boiling Well.	78		4	1	
671.	ditto	45	******	3	11	0		30	*****	13	12	į
	ditto	41	*****		9	6	ditto	29	******	2	8	
sty,	ditto	40		12	17	6	Botallack	43	******	14	1	٩
83/;	ditto	39		2	13	0	ditto	41		12	14	
	Par Consols	71	*****	2	18	6	West Fowey	Consols 65		9	1	
res.	ditto	70	******	14	3	6	Cook's Kitch	en 60		1	14	
11.;	ditto	67	*****	. 5	12	- 6	West Wh. Pr	ovidence 51		7	0	į
	ditto	57	*****		11	- 6	ditto	8	******	16	2	
ids,	ditto	56	*****		14	6		45		4	8	
inte	ditto	55	*****		18	0	ditto	0	*****	15	5	
	ditto	45			12	6		dship 33		- 6	1	
	ditto	37	*****		15	6	ditto	8	*****	2	13	
er-		la110	*****		18	0		Pry 35		- 6	17	
ire.	ditto	82				6	North Wheal	Unity 17	*****		3	
in-	ditto	51	*****		0	6		6			13	
***	ditto	40	*****	2	14	6	East Buller	20			17	
	ditto	35	*****		15	- 6		msols 10	******	1	1	
xt,		90			8	- 6	ditto		******	6	17	
ler-	ditto	45		19	14	- 6		ols 19		0	12	
ion	ditto	40	******		3	0		4	*****		7	
ery	ditto	36			13	0	****		*****			
em-	ditto		*****		12	6		11		7	8	
	ditto	26				0	Treasury and	Truthal. 7		4	19	
	ditto					0	Great Wheal		******	8	3	
that	ditto	16	*****		14		East Wheal		******		10	
ally		g, &c 84				6	Great Work				16	
	ditto	61			16	6	Trannack an					
N.	unio			m	MIN A	-	PODUCE	1	,	177		ĺ

Halamanning, &c	62	5 16	6	Transack and Bosconce	3	. 11	16
are transports many areas.			LI	PRODUCE.	NY WA		vau.
Wheal Buller 772	£300	53 5	0	Cook's Kitchen 60		£103	10
West Wheal Basset 645	45	43 7	0	W. Wh. Providence 59	*****	487	5
Corn Bres 517	961	33 3	6	Treloweth 51		279	7
Para Connecte 440	46	13 0	- 40	Wheel Eviendehin, 41		221	17
Alfred Consols 321	271	78 6	6	Wheal Margery 35	*****	240	12
North Basset 307	400	31 4		Wheal Margery 35 North Wheal Unity 23	*****	88	. 9
Halamanning, &c. 214	133	34 6	- 6	Kast Buller 20		37	. 0
Rosewarne United, 211	130	90 16	- 0	Camborne Consons. 15	*****	63	. 0
Levant 183	109	90 4	0	Trelyon Consols 17	*****	100	
		98 3	6	Kenneggy 11	*****	81	13 .
Great Wh. Alfred 149	6	57 3	6	Treasury & Truthh. 7 Great Wh. Fortune 7 East Wheal Vor 3 Great Work 3	*****	84	13
South Crenver 148	5	14 8	. 6	Great Wh. Fortune 7		56	17
Clijah and Went., 144	7	85 8	0	East Wheal Vor 3		13	10
Boiling Well 137	71	96 3	- 6	Great Work 3		55	12
Hotaliack 81	sesses All	93 TP	6	Trann. & Bosence., 2		23	13
West Fowey Cons. 65	50	89 17	- 6	ENPERSON NOT THE TOTAL PROPERTY OF THE PROPERT			
Awarage Standard	£14	1 12	10	Average Produce		*****	73
Average	Price per	tom		£7 6	0		
Quantity of Ore	486	63 ton	10	Quantity of Fine Copper,	346 tor	18 4 c	wis
A mo come	mt of Mon	ALC: N		#85 651 1 O			
LAST SALE,-Average	Standard		22	\$140 4 0.—Average P last month, 1421. 7s.—Pr	roduce		75
COMPANIES	BY WH	OM !	TH	E ORES WERE PURCE	LASED	101	41
				Tons.	THOUS	Maria.	100

		Tons. Amo	
7 2	E1334 7	l Company £1334	fines Royal Company
5 11	3177 5	Sons	Tivian and Sons
15 6	2930 15	d Co 459 2030	reeman and Co
12 6	5732 12	5732	renfell and Sons
8 10	5306 8	ams, Nevill, and Co 547 5300	ima Willyama Navi
11 5	8586 11	oster, and Co	Villiams Foster and
8 9	1893 2	Anstralian Company 245	Inglish and Anstralia
			Jason and Elkington
			Bankowt Hamilton
42 2	2614 14	ers' Company 370 2614	· Dankart
	1893 3104 971	Australian Company 243 1897 Rikington 389 3104 126 971	English and Australia Mason and Elkington F. Bankart

Copper cres for sale on Thursday next, at Pearce's Royal Hotel, Truro.—Mines and Parcels: —Devem Great Consols 1859 —Phonix Mines 343 — West Caradion 389 — Hingston Down 259 — Wheal Arthur 383 — Bedford United 163 — Wheal Friendship 136 — Wheal Franco 96 — Wheal Zion 50 — Sortridge Consols 59 — West Crinnis 46 — Hawk-moor 45 — Wheal Crebor 41. — Total, 3019 tons.

noor 45—Wheal Crebor 42.—Total, 3919 tons.

Copper cress for sale on Thursday week, at the Royal Hotel, Truro.—Mines and Aracesis:—United Mines 700—8t. Day United 514—Perran St. George 400—Comods 394—South Caradon 335—Wheal Clifford 293—Perran and Great Wh. Leisare United 835—South Grands 355—Wheal Clifford 293—Perran and Great Wh. Leisare United 835—South Grinnis 333—Great Onslow Consols 120—Treviskey 91—Trevislian 49—West Polberro 38—Polgooth 36—Wheal Maudim 36—Grambier and St. Aubyn 39—Wheal Ellen 14—Gill's Dauby Ore 14—Wheal Unity Wood East 7—Wheal Music?—Wh. Henry 6—Polberro 5—Vinick's Precipitate 2—Wh. James 1.—Total; 3878 tens.

11

Botices to Currespondents.

• Much isconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

SPHATE OF LIME.—Sin: In reply to the enquiry of "Alpha," in your last Journal, me picked specimens of mineral phosphate, called "coprolite," I find to contain per cent. of phosphate of lime. I have many analyses of the stone as dug, the grage is—

Siliceous matter

Moisture 4.50 = 100.00

an be obtained in any quantity at Harwich, in Essex, and at Ipswich, in Suffolk is estimated that 70,000 tons are used annually in the manufacture of superphosate of lime,—J. Harris: Delgelly, May 8.

It is estimated that To,000 cons are used annually in the manuscurre of superposphate of lime,—J. Harris: Dolgrelly, May 8.

Is. Calvert and the Dolgrewing Mink.—Sir: If notoriety is obtained by publishing extraordinary statements, without their having the least pretensions to truth, I think Mr. Calvert bids fair to stand in that unenvisible position. That gentleman's assertion, inserted in your last week's Journal, has caused no little sensation in the capital of the Welsh gold regions (Dolgelly and elsewhere) "that eight parts out of every nine of gold are wasted at the Dolfreynog Mine," &c. In ealling upon Mr. Calvert to substantiate this assertion, I do so not only upon public but also upon private grounds, having recently reported upon the Dolfreynog Mine, and that in direct contradiction to Mr. Calvert's statement. I trust Mr. Calvert will see the necessity of giving your readers, without loss of time, some proof of his assertion (if he really has any), and also the name of the others who are committing such wildle waste by the anybody's process.—J. Harais: May 8.

PUDDLING INDS—INVENTION RE-FARNYED.—SIR: I find is your Journal of the 5th inst., a description of a patent taken out by Mr. Nasmyth, of Manchester, for an improvement in the process of pudding iron by the injection of steam or water beneath the surface of the molten metal. A patent for the same thing was granted to the late Mr. Thomas Ennis, manager of the Dowlais Works, 12 years ago, and may be seen now in operation at many of the works in this neighbourhood. Mr. Nasmyth's patent, therefore, goes for nothing.—A Publan: Methyl Tydeil, May 8.

Barring 1 and 1 an

RABBAN'S PATENT CUP SURFACE BOILERS.—A full description will be found in the Mining Journal of the 3d of February last.

Inquirer "(Birmingham).—The quantity of Banca Tin on hand for sale on the 31st March last was 40,400 slabs, or 1212 tons, in Holland; in London there was 775 tons: the total quantity being 72,300 slabs for the next Dutch sale. The quantity last year was 77,500 slabs.

year was 17,500 slabs.

NORTH BERTHER AUGRELASIAN COMPANY.—Sir: It may be satisfactory to your correspondent "Aliquies," as well as others, particularly shareholders in Scotland, to learn that the directors generally would have been well satisfied with a vote of 300, per annum for their services, and the majority consider 4001, very handsome. As a committee for the transaction of business, they rarely meet oftener than twice a month, so that each member will receive more than two quiness a sitting. If more satisfactory returns cannot be made to the shareholders, it will be proper to curtail expense by lessening the number of directors to three, who, with the two managing directors and the scoretary, would smply suffice for all that is required.—Onservan: 60, Fenchurch-sirect, City, May 10.

"T. C. 5." (Baker-street).—It does not follow that a company should be strong because high-sounding names are attached to it. Unfortunately, in the gold mining delusion, several of these associations were got up with peers and baronest for directors. Nearly all have failed, either through mismanagement or dishonesty.

Sin: I quite agree in the opinion expressed by "A Shareholder," in his letter dated

rectors. Nearly all have failed, either through mismanagement or dishonesty.

In: I quite spree in the opinion expressed by "A Shareholder," in his letter dated April 25th, and published in your Journal of the 28th; and I would suggest, and join in, a requisition by proprietors, calling upon the mine committee to hold the next meeting in London, and desiring the purser to bring his cost-book and monthly vouchers with him for inspection. I am pretty rure I am a party interested in the same mine as that to which "A Shareholder" alludes, and I will join in any measure likely to lead to a more economical and satisfactory working of the mine in question. It is essential to see whether all calls are paid up, and that a few shareholders are not contributing to the advantage of the many.—ARITANDURS. May 9.

WERRING LAND AND MINERAL CAMPANY.—The city last year from 25 2000 sheeps. Press. River Land and Mineral Company.—The clip last year from 52,000 sheep was contained in 306 bales; gross weight of wool, 992 cwts.

was contained in 506 bales; gross weight of wool, 992 cwts.

"J. H." (Dolgelly).—Although experimental results have been published, yet no working has taken place on a large scale, and, however feasible the extraction of gold may be, the public will be seeptical until they see some practical results; the question has not only to be chemically, but likewise commercially tested.

"Miner" (Camborne).—Earthy phosphate of iron is found in solid masses in the argillaceous deposits of New Jersey, occasionally with bog-iron ore. Also, in Styria, Carintha, and in Greeland; the friable varieties have been met with in forming excavations in the river mud of the Isle of Dogs, in the same deposit at Toxteth, near Liverpool, on the surface of peat masses in several of the Shetland Isles, at Ballagh in the Isle of Man, accompanying animal matter, particularly the bones of the elk and deer, and claswhere. It is sometimes employed as a pigment.

North Bayther Alexan Company.—The gross profit for the year 1854 was 17.5071. 11s. 11d., and the total charges of management, both in the colony and in London, for the same period, 37801. 18s. 9d. : leaving a nettyprofit of 13,7261. 18. 740.

17.007. 1s. 1d., and the total energies of management, oot in the colony and in Londoo, for the same period, 37801. 18s. 9d.; leaving a nett profit of 13,7261. 18s. 2d.

Portable Munico Enornes.—Sir: In reading a recent report of a meeting of the shareholders of the British Australian Gold Mining Company, I was rather struck with the fact that the active proceedings of the company at Bendigo had been suddenly stopped, in consequence of the accidental fracture of the mitre wheel of the engine supplied by Mesars. Medwin and Hall. Without wishing for a moment to enter into the private affairs of the company, to criticise the conduct of Mr. Dyer in this business, or to canvass the views of the directors on the occasion of this meeting, I yet think it possible that the publication of the report in question is not unlikely to prove detrimental to that portion of the mining interest which may stand in need of portable power. The accident is stated to have arisen from a flaw in the casting. This may, or may not, have been the case. The products of every foundry in the kingdom are liable to imperfections of this kind, which very frequently escape detection. My sole object in calling attention to the subject is that I think that a really useful invention should not be depreciated in public estimation by a reported casualty occurring at the antipodes. I think that Mesars, Medwin and Hall's engines are sufficiently well known for general excellence of manufacture to leave room for the encouragement of a doubt that due care and superrision were not exercised in the present instance.—Onsawan: May 10.

manufacture to leave room for the encouragement of a doubt that due care and supervision were not exercised in the present instance.—Onsawan: May 10.

*C. W." (Hoxton).—The exports of tin-plates to New York, the first three months of this year, were 20.78t boxes less than the corresponding period of last year. The general opinion is, that this branch of trade, although it has been some time depressed, has seen its lowest, and a rally is confidently anticipated.

*RAOTICAL MINING—FAGRES V. THRORY.—SIR: Perusing the various letters of Mr. Ennor, and of "G. D.," I have been much interested, and do not at all doubt but that both parties are not only sanguine but truthul, and, therefore, entitled to the approval of all thinking men. With "G. D." I have been particularly well pleased, and consider his arguments both fair and honest, and his remarks sober and reasonable. But there is one point in his last letter in your valuable paper which rather staggers me; he states that ores of 50 tons bulk, containing 4 one, of gold to that quantity, are profitably treated at Schemnitz, in Hungary. May I presume to ask, does he mean to say that they are treated for gold alone, or in connection with other ores of commercial value? And, if so, what might this treatment be, or to what work could he be so obliging as to give me reference on this subject, as I am particularly desirous of gaining all information I can thereon, having now in my possession quantities of gold-bearing stuff, containing from 1 to 3% cas, to the ton, and not to the 50 tons? But I do not know how to treat it satisfactorily—that is, to get out of the ores what I ought to do. If "G. D." would favour me by a line in reply, it would be duly esteemed by your constant and interested reader—C. S. D.: Birmingham, May 9.

Enteringham, May 9.

INSO IN SCOTLAND.—Sin: Can any of your numerous correspondents inform me to name and address of an eminent mining captain resident in Scotland, and whose port would be esteemed a guarantee by your Scotch friends.—An Old Subscriber :

Carrists, May 0.

WETRALIAN PERENOLD GOLD COMPANY.—SIS: It appears from your observations last week, that a certain party has succeeded in earrying the affairs of this company into the Court of Chancery, to the injury of those unfortunate holders who were to falte to obtain the 6s. As the parties who have taken these proceedings took good care to receive their dividend, I shall be glad to know what means can be taken place us in the same position, before the balance in hand is consumed in law costs which is evidently the principal object now in view.—A SHARRICLER: May 10.

which is evidently the principal object now in view.—A SHARKHOLDER: May 10.

DESULPRIMENTATION OF COAL.—We have not received any additional particulars respecting the experiments referred to in the Journal of the flat of April: but if any correspondent can furnish us with details, we shall be very gind to publish them, the subject being one of much interest to our readers.

17. C. B." (Brighton).—Both the English and French Governments have entered into large contracts for lead: the English have already, in this year, advertised for 3500 tons; the French have asked for 1500 tons, and probably will require the same amount before the termination of the year. The Stolberg Company have closed their works. The demands for lead, owing to the present war, will amply compensate for the deficiency which arose from the prohibition of the export to the North of Europe. The shipments of this metal to New York, from the let of Jan. to the 18th of April, was 1600 tons, of this 550 tons were shipped from London, an equal quantity from Liverpool, and 300 tons from Marseilles.

WEST GRANDA AND FORT BOWEN HIMPING COMPARIES.—We have received a very WEST GRANDA AND FORT BOWEN HIMPING COMPARIES.—We have received a very

to the 18th of April, was 1600 tons, of this 500 tons were shipped from London, an equal quantity from Liverpool, and 300 tons from Marsellies.

Wast Granada and Fort Bowen Minimo Companies.—We have received a very long communication from Capt. James Eddy, former manager to the West Granada (Veraguas) Mining Company—who, with a staff of miners, proceeded to the mines in 1835, but with no subsequent good results—on the subject of the minunderstanding which arose between himself and the directors in consequence, and involving a repetition of details of circumstances which we had hoped were buried in oblivion. As public journalists, our province is to detail matters in which the shareholders and the public are interested, but we cannot interfere in the circumstances, or inviduously act as counsel on either side. With respect to the communication of Mr. Locock Webb, of the 17th of June last, there can be no doubt the charges made against Mr. Eddy, an extracts there inserted from letters from the mines, must have been exceedingly hurtful to his feelings; but we gave him the fullest capportunity for reply, of which he availed himself, and by which he must have, to a certain extend, set himself right with the public. We can really we nothing in the advertisement of the Fort Bowes Company, in the Missiag Journal of the 21st of April last, to call for the very lengthened remarks made by Mr. Eddy aws;—"It is very possible that the specimens were mixed with rubbish." Mr. Eddy aws;—"It is very possible that the specimens were mixed by an infinite, and not by a finite being, at some good-gieal epoch of which I have no knowledge." After again suforcing his views respecting the mines and the climate, he enters at greet length into the defence of his obaracter, for the insertion of which, although anxious to do justice to all parties, our space is not sufficient. It is now nearly 12 months since the ecommence ment of the disconsion in question, and too late to open up a repetition of old grievances without apparent cause; and

"Agricola."—Assuming that the individual sinking the pit had a right to do so, then, as "Agricola." has no property in the spring of water upon his farm, he has sustained no legal injury by his well being laid dry, it having been decided at law that the owner of land through which water flows in a subterranean course has not neath a right or interest in it as will enable him to maintain an action against a neighbouring landowner who, in improving his own soil by draining, or by carrying on mining operations in his own land in the usual manner, drains away the water from the land of the first-mentioned owner, and lays his well dry; for in such cases the water by which the well is fed, though percolating through the soil by an indefinite number of subterranean courses, yet has no visible or definite course, and so is not the subject of property. "Agricola" has sustained no legal injury, and, therefore, has no case for redress. His unfortunate position is one which comes within the legal category of damnus absque injuria.

The Electric Company (Sherard's Patent).—Sin: Can you inform me whether this company is abandoned? A report was circulated a short time since that it was to be re-constituted, and a new prospectus issued.—A. Z.: Lothbury, May 10.

HEMATITE IRON FOR GUNS.—Sin: Now that it has become of such immense importance that our cannon should be made of the best material, why's not hematite iron used for that purpose? It is well known that it is "red short;" or, in other words, that at a red heat it is perfectly brittle, but that when cooled down it is the toughest of all our British iron—so much so, that you cannot break one of the pigs with a sledge without first outling it round with a cold chisel. Such metal, there can be no doubt, would make guns equal, if not superior, to the best fron the Russians can procure; and there is abundance of the iron to be found in Cumberland, near Whitehaven, and the Purpose description.—J. B.: Essex Wharf, May 11.

Okel Ton.—The quotation was farmished us by a correspond

forward any communication that may be sent us for that purpose.

Weish Potosi Mines.—Sin: In answer to a letter in your last impression, calculated to cast some doubt on the proper management of these mines. I beg to observe that I am residing in the locality, and have had every opportunity of seeing and hearing what has taken place, and I reget to say that the late rebellion amongst the men was most diagraceful, and the treatment that the manager experienced unwarrantable in the extreme, and such as only a man of his experience, perseverance, and business knowledge could cope with. I can assure the writer that the changes, both in agents and workmen, that have been made will be found most beneficial to the shareholders. The mine is now working most profitably, and never looked so well; the quality of the orey ground laid open within the last month is surprising, and the energy and seal of the company's managing director cannot but be highly gratifying to the shareholders at the next general meeting.—A SHARKSHOLDER: Aberystwith, May 10.

PARENET WIRE TYPE.—Sin: A few years since I was induced to take some shares in

NOLDER: Acceptation, May 10.

ATENT WIRE TYPE.—Sin: A few years since I was induced to take some shares in the Patent Wire Type Company. I have several times aince endeavoured to obtain information relating to the company, but without success. If any of your readers could favour me with some information thereon, or inform me how I can procure a return of the money paid for the shares, they would oblige—A REGULAR Subscripting I Southampton, May 10.

SCHIBER: SOURIMENTON, May AV.

OUTBRALIAN COMPLIANTA COMPANY.—The letter from "One in the Secret" of appear as an advertisement.

appear as an advertisement.

OUTH WHALL ROBERT,—SHE: Your correspondent of last week, "A Lover of Justice" (Horrabridge), considers this sett should be examined, and reported on, by some independent agent. Does the writer want a job! If so, we would wish him to defer his visit until we have cut the black cross-course, which was thrown in this direction some months since by a shale, till which time I hope every adventurer interested will satisfy himself by personal inspection, or from the reports of those who speak the truth.—A Lover or Tauru: May 9.

PASSAN LEAD MINE.—The letter respecting the legal proceedings taken by the p for the recovery of calls can only appear with the writer's name attached. for the recovery of calls can only appear with the writer's name attached.

WALLER GOLD MINING COMPANY.—Size: The report in the Mining Journal of last week from this mine is as follows:—"At the date of the advices (April 14) the works were proceeding satisfactorily, as fine weather had fairly set in. A quantity of ore had been raised at the upper shaft on the Waller vein, the yield being fully equal to that last reported, and sufficient to keep the stamps going for a long time to come." Will the directors be good enough to explain, through the columns of your excellent paper, how this meagre account tailies with the report laid before the shareholders at the general meeting, held on the 21st of Feb. last. They then reported—"There were 2500 tons of ore raised, valued at 11,5007. That the machinery had been returning since the beginning of the year 2501, per week." And, further, "They promised to pay a dividend in three months" from that date. Now, why raise a further quantity of ore until the 3500 tons have been crushed and returned? I fit has been crushed, what has become of the 11,5001. 7 And where is the produce from the "yield said to be fully equal to that last reported," as no remittance of gold has yet arrived home?—A Sharknolder: May 10.

An Adventurer "(Chelsea).—There have been large supplies of foreign copper ores.

is the produce from the remittance of gold has ye An Adventurer" (Chelse Adventurer " (Cheisea).—There have been large supplies of foreign copper ores, t, as there is no great demand for the metal, it is not estimated that there will any considerable fall in the price.

Works published at the MINING JOURNAL office, 26, Fleet-street, London: GEOLOGY AND MAGNETISM. By Evan Hopkins. 16s. GEOLOGY AND MINING—FOUR LECTURES BY G. HENWOOD, 2s. 6d.; by post, 3s

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THE MINING JOURNAL

Railway and Cammercial Gagette.

LONDON, MAY 12, 1855.

The bill we briefly noticed in our last week's Journal, and which ha een framed in order to amend and extend the jurisdiction of the Stannary Court, has passed the House of Lords, and we alluded to some of the amendments intended to be proposed when it shall be introduced into the ower House of Parliament. As it may be fairly assumed that a legislative measure, prepared under the sanction of and presented by the highes legal authority, the Lord-Chancellor, will be very speedily brought before the Commons, it is highly desirable that the constituencies who are interested in, and likely to be affected by its enactments, should be put fully into possession of their bearing and effect. The 1st section provides that when any mine or sett within the Stannaries shall be worked vides that when any mine or sett within the Stannaries shall be worked by the same adventurers, not only for metallic minerals within the jurisdiction of the Court, but also for non-metallic minerals found therein, or intermixed with metallic minerals, the entire mine, works, or products shall be taken to be within the cognizance of the Vice-Warden, as if the same had wholly consisted of metallic minerals, and the process of the Court shall extend and be exercised over the same, and all the machinery and materials thereon, as in the case of mines of metallic minerals, and the mineral called plumbago, or black lead, is thereby declared to be a metallic mineral. The 2d, or interpretation clause, provides that the words "mine," and "mineral," and "miner" in the Act, or in any pleadings, process, or proceedings in the Court shall, unless otherwise explained or qualified, be held to mean a metallic mine or mineral within the jurisdiction of the Court; and a miner in some mine, work, or adventure, within

then enacted that, upon due proof of service, and default of appearance the suitor may enter an appearance for defendant, and may proceed as the party were within the jurisdiction, and that aftor appearance so catored, all notices and all future process in the suit may be served on the section enacts that in all suits against adventurers for contributions; shall be lawful for the suitor to join several adventurers in one petitis for recovery of their several contributions, and for the Court to make on decree for payment, and one order for sale of shares, and to enforce said decree or order by separate process of execution against each defendant. In cases of separate defences, all may be tried together in one suit, as the right to sue non-resident parties in that case, also, is preserved. The 5th section confers similar powers of suing mon-resident parties in suits on the equity side of the Court by creditors against the pursar orprincipal agent of the adventurers, or against one or more of the adventurers in a mine in the Stannaries, to enforce payment of their demands by sale of the orea, machinery, materials, and effects, for the time being belonging to the adventurers, and being upon or about the mine, or fludently removed therefrom. In case these shall prove insufficient to see the demands, the principal and important provisions of the Winding-up Acts are introduced, and powers given to the Stannaries Court of settling lists of contributories, and of enforcing their liabilities. The 6th section applies to suits on the equity side of the Court for an account, as tween adventurers in mines in the Stannaries, and powers are given at serving the process of the Court in like manner as above on parties residing beyond the jurisdiction; while the 7th section gives similar position to sue, or join as a defendant in suits, "a person holding, or claiming be hold, any share or interest in any adventure in mines or minerals world within the jurisdiction of the Court." The 8th section hall be served in any place out of

any suitor in respect of any such chain; and the Atal section promises to Court from entertaining in either of its branches any claim touching the freehold or inheritance of any person, "except by consent of the paris before the Court, and as between and against themselves and those claims under."

The 16th section is an important one, for it confers on the Vice-Wardes power rarely given to inferior courts, of entertaining jurisdiction in ejectment suits for recovery of the possession of mines within the Stannaries, and of buildings, machinery, works, and waters annexed thereto, and occupied therewith, on the ground of breach of condition, determination of the still or lease, or other lawful or customary case of forfeiture, and also tymhibit the working of any mine, in a manner contrary to custom or ormant, by injunction, in cases and under circumstances in which the Court of Chancery or Courts of Common Law at Wostminster would amy by law enjoin. It then directs that all proceedings to the Common law Procedure Act, 1852, so far as applicable; and it enables process for the purpose to be served on parties wheresoever resident in England or Waiss. The 16th section then provides that all actions for debts or damage with the jurisdiction, may be prosecuted summarily by plaint, and tried by jury of five jurors, except in cases where the Vice-Warden shall permit or direct such action to be by writ or summons; and for the purpose dimproving the procedure in such actions by plaint, power is given to make and enforce rules and forms for procedure, practice, pleading, and tarning questions from the County Court; and the 18th prohibits demurrars or pleas to the jurisdiction, except in cases where the wait of costs. The 17th section authorises the removal of cases involving mining questions from the Court from doing full and substantial justice helves the substantial justice helves the substantial justice helves the substantial justice helves the substantial puts to the process of the propose of the propose of the process the Stannaries, or elsowhere, the Court shall declare the company, is not carried on, or constituted on, the Cost-book System, a Principle; and the same shall thereupon no longer be deemed or takes for any purpose a partnership, association, or company, within the emption of mining partnerships, in the Ast for the registration, incorporation, and regulation of joint-stock companies, or within the conditional text of the registration of the conditional text of the registration of the same classe of the mine, or within the conditional ment Act, 1849. A similar power is also given by the same classe of ordering the production of the cost-books of the mine, list of adventure, and such other books and documents relating to the mine, or to the managemement thereof, as the Vice-Warden shall think proper for inspection of such applicant, and to enforce such rule or order by attachment within the Stannaries, or by causing the same to be a rule or order of one of the superior courts at Westminster. Our readers will observe that although the Stannaries or by causing the same to be a rule or order of one of the Company Registration Act, these are novel and extraordinary powers; and although they may be, in many instances, highly beneficial, care must be taken that the abuse of them does not prove directly the reverse.

The 23d section gives the Court power to make general rules and order, without the same of th process, or proceedings in the Court shall, unless otherwise explained or qualified, be held to mean a metallic mine or mineral within the jurisdiction of the Court; and a miner in some mine, work, or adventure, within the same jurisdiction, having privilege to sue or be sued in the Court. And the words "County Court" shall be held to include not only courts known by that name, but also the Court held under the provisions of "The London (City) Small Debts Extension Act, 1852."

It may, perhaps, be worthy of the attention of those interested in adventures connected with mining operations within the Stannaries to consider whether this interpretation clause is sufficiently extensive. One of our high courts has been lately occupied with the question, whether certain quarries do not, under peculiar circumstances, come under the generic denomination of mineral property; may it not be prudent, therefore, to set the matter at rest by express enactment? The interpretation clause is a simple and convenient mode of applying the provisions of any modern legislative measure to particular classes of matter; and if the present form be deemed defective, a few words, cautiously and appropriately introduced, may, by embracing what is requisite or essential, provide for and remove many future difficulties.

We alluded abortly in our last to the powers conferred on the Court of Warden, prosecuted, according to custom, by the purser or other principal agent of the adventure in a mine in the Stannaries against an adventure, or his personal representatives for contribution to calls, or to the expenses of working such mine to reduce the variety of the provisions of any modern of the such provisions of any modern of the such provisions of the modern of the following by its process non-resident shareholders for contribution, the 3d section providing that, in suits in the equity side of the Court of the Vice-Warden, prosecuted, according to custom, by the purser or other principal and provisions of the modern of the such provisions of th

po ever men source and control of the total steel lation of a control of the steel lation of a control of a contro

of Cornwall. There are some other minor and comparatively unimportant provisions, to which it is unnecessary more particularly to refer. We have haid before the public the leading principles and enactments of a measure intended to form in itself a code for the legal government of mines within the Stannaries; and the fact of Devonshire being included for a special purpose furnishes a strong reason for the introduction of amendments in the House of Commons, extending its general provisions to that important size of district.

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In our last Journal, we stated that we had received several communications from shareholders in Wheal Providence, relative to some individual addressing from Furnival's Inn, attempting to depreciate the value of their shares, and yet concluding with an offer to exchange others for them. We have since had another communication from a correspondent residing in the Isle of Wight, enclosing the following precious moreaus:—

Sir.—The Trehame Mine is becoming rapidly exhausted. You will see that the last account was for four months, and that it would have been quite impossible to have paid a dividend, had the balance for the engine been charged. The sale subsequent to the meeting has realised a much reduced price. No dividend can fairly be declared set in meeting; the shares must recede. I beg to advise a sale in favour of Kilraines at sy be fairly calculated on of 100 per cest. I am in a position to offer fifteen Kilraines for one Trehane, to the number of five Trehanes. If you wish to do the foreing business, please to communicate with me by letter.—Jours J. WILKINSON.

Our readers cannot fail to notice the very property the writer wishes our correspondent to dispose of, as "the mine is becoming rapidly exhausted," is what he recommends the West Providence shareholders to take (see last week), "as paying 27½ per cent. on present prices, and with a probable market value of 200 per cent. above the quotation of the day." No wonder he would like to get some chesp, and now tries it on with Kilraine, an Irish mine, which will probably share a similar fate in further description. We think it highly desirable that every publicity should be given to such despicable attempts to depreciate shares, and shall continue to expose such proceedings, comment on which is unnecessary.

raine, an Irish mine, which will probably share a similar fate in further description. We think it highly desirable that every publicity should be given to such despicable attempts to depreciate shares, and shall continue to expose such proceedings, comment on which is unnecessary.

Our Journal of this day presents to our readers a highly important paper "On the Manufacture of Steel, as carried on in this and other Countries," read before the Society of Arts, on Wodenday, by Mr. Ozas. SANDERSON, of Sheffield. We direct particular attention to this valuable communication, in which the extensive practical experience of Mr. SANDERSON, in addition to being a large steel manufacturer and patentes on the preval and Boyal Society at Visnna, having been proposed by the Archduke Jour of Austral. He is, besides, a member of the Bocoticy of Arts, Manufactures, and Commerce of France, and alone which latter institution, be a cased from such as minent source, on a subject of such a cased from such a seminent source, on a subject of such general interest, must command very marked notice in this great community. We quite agree with the author of the paper that, since this important branch of manufacture is daily becoming of greater importance, every step towards the production of fine steel iron in this country should meet every encouragement, inasmuch as it tends to render our own resources available to our wants. At present we are largely indebted for our supply of suitable iron for the manufacture of steel to Sweden, the areas of the suitable iron for the manufacture of steel to Sweden, the areas of the suitable iron for the manufacture of steel to Sweden, the areas of the suitable iron, which is the suitable iron for the manufacture of steel to Sweden, the areas of the suitable iron, which is the suitable iron for the manufacture of steel to Sweden, the surge of the suitable iron, which is the process of pudding iron, invented by Mr. Cour, of Geoport, and included in 1794, the steel iron market is now supplied with 16,000

the carbon is derived from the metal itself, but there is a distinct system, by introducing carbon into the iron, converting iron into steel by cementation. Iron to be thus converted is placed in a furnace, stratified with carbonaceous matter, and heat being applied, the carbon is absorbed, and a new compound thus formed. The paper described the process minutely, and then proceeded to explain the manufacture of bar-steel, the price of which varies according to the price of the iron from which it is made; but, as a general average, its price in commerce may be taken at 51, per ton beyond the price of the iron used. The following may be taken as the proximate prices in 1854-5:—Shear steel, in ordinary size, 601, per ton net; coact-apring steel, from foreign iron, 221; from English, 181. In the several descriptions of steel thus manufactured, want of uniformity of temper and clearness of surface have unfitted them for many useful purposes. This has led to the production of cast-steel, for which both lar, converted, and also raw-steel, is metiad; the metal thereby freed from any deleterious matter which the iron may have contained, an uniform and homogeneous texture obtained, with equality in temper and hardness; builded which, it is capable of receiving a high, clear, and beautiful polish. The foregoing outline is sufficient to show that the paper of Mr. Sandenston gave condensed descriptions of the raw materials required, and of the interest processes used, in the manufacture of each kind of steel employed in commerce. The fuel used in England for the manufacture of steel is estiraly coal and coke; the former is used in the converting furnace for beating the cases which contain the bar-iron during the process of comensumed in the conversion of one ton of iron, thus representing a conconversion of one ton of iron, thus repre

Such is the contrast of the manufacturing power of the steel-producing countries, showing the eminent position of England in both weight and value, and thus demonstrating the practical skill and scientific knowledge which have been brought to bear in this country upon its manufacture, and by no man more than by the eminent author of this important paper.

which have been brought to bear in this country upon its manufacture, and by no man more than by the eminent author of this important paper. Previous to the discussion, a letter from Mr. Harry Scrivenor to the secretary was read, stating—

"The process of the manufacture of steel is generally but little know in this country, but it is, and is still more becoming, a most valuable addition to our home manufacture. And it is with somewhat a proud feeling, we may say, that while we almost monopolise the make of from, we can also so far naturalise the make of steel, that it is production we are enabled to leave all other countries far behind us.

* • • The great improvement in the manufacture of steel is stated by Dr. Ure to have on the steel in the state of the state of the steel of the steel in the Sheffled market of from 30 to 40 per cent. His claims have been disputed, and Mr. Sanderson says the great question of the late Mr. Heath's patent is now before the House of Lords for their final decision. Mr. Heath's patent in roduced a portion of carburet of manganese into the melting pot, along with the usual bars of bilstered still, and he found that a common bar steel, made from an inferior mark or quality of Swedish of Russianiron, would, when so treated, produced an excellent east-steel. I was lately speaking to a steel manufacturer of Sheffield on the subject of this patent. He said we use no manganese in our improvements, and the steel was made from English materials. Some years back I was connected with a company which had seel-works, and the principal foreign iron which they used was a celebrated Russian make (the Demiddf mark). This mark is not mentioned by Mr. Sanderson; but from an observation he makes that, in the manufacture of common steel, particularly that for reilway springs, a very large quantity of steel iron is produced from English materials," I am lot to suppose that the Russian iron has in a great degree been superseded by English improvements, as the principal slot of the steel made from the a

rery rarge quantity of seel iron is produced from English materials," I am led to suppose that the Ansain from hasis is great step in advance; and certainly the imports of iron lisusis has the Assain from hasis has the discussion which followed elicited much useful information. In answer to an enquiry whether Mr. SANDERSON had used peat charcoal in the manufacture of steel, that gentleman replied that he had employed peat charcoal in the manufacture of iron in the common charcoal refinery, and that he had made a ton of iron of good quality, and with less fuel than when wood charcoal was used. He intimated a very strong opinion that compressed peat may be successfully employed in the making of superior iron, and peat charcoal was used. He intimated a very strong opinion that compressed peat may be successfully employed in the making of superior iron, and peat charcoal was used. He intimated a very strong opinion that compressed peat may be successfully employed in the making of superior iron, and peat charcoal in the manufacture of excellent steel. Mr. Isaac Donns, of Rotherham, in Yorkshire, exhibited a variety of specimens of files and range, all made of Ragilshi iron, that had been subjected to partial steel conversion, according to the process of which his son, Mr. Z. W. Donns, was the patenter. He then proceeds briefly to explain the process by partially converting the outer surfaces of iron into the compression of the steel. The samples produced were described as harder and bardens of the steel. The samples produced were described as harder and hardens of the steel. The samples produced were described as harder and hardens of the steel. The samples produced were described as harder and hardens of the steel. The samples produced were described as harder and hardens of the steel produced the steel produced the surface of the steel produced the surface of the surface and the surface. Another surface and the surface and the surface and the surface and the surface. Another surface and the surface and the surfac

and the heat.

A desire was strongly expressed that the means should be stated by which it could be ascertained when steel, which was known to assume in the progress of manufacture a variety of prismatic hues, from the pale straw colour to the dark blue, was of the required quality. Mr. Sandbason accordingly explained that steel was hardened by being, when in a heated state, suddenly plunged into cold water or oil, which produced expansion; although some persons called it contraction, but it was, in fact, expansion. The steel was then too hard for any purpose. It was then put into a fire, and gently heated, and it then came to a straw colour, applicable to one purpose, or to a blue colour, applicable to another purpose; but the workman, by daily and constant practice, by observing the oxidisation on the surface of the metal, knew when the coat was sufficient

ently tempered to preserve the elasticity required for the purposes to which it was intended to apply the tool.

The meeting terminated with a vote of thanks to Mr. Sanderson for his admirable paper, which was carried by acclamation.

At the adjourned meeting of the Agua Fria Gold Mining Company, held on Monday, and reported in another column, it appears that the share-holders have at length been aroused to rescue the undertaking from being wound-up. Professor Anstrad announced that the result of the week's delay had been most satisfactory, the subscriptions having increased from 7905t, to 10,560t, being 560t, above the minimum set by the directors as absolutely necessary to continue operations. At the same time, the chairman announced that it was highly desirable the full amount (15,000t) should be raised, in order that they might have some margin to meet little delays or temporary mishaps; and we are glad to learn that additional subscriptions have since come in, making a total of upwards of 11,000t.

The directors throughout have exhibited good faith to their fellowshareholders, as it was quite evident that if the company had been wound-up it would have been to their benefit, and it is, therefore, but fair that they should receive every support. It must be obvious, that however good any mercantile undertaking may be, nothing can be more injurious than conducting it with a limited capital, and there can be no doubt that all parties will be benefited if the maximum amount (15,000t.) is fully paid up. The advices received this week, and inserted in the usual column, show that the mines are in full operation; and it is to be hoped that both directors and shareholders may be rewarded for their perseverance.

abow that the mines are in full operation; and it is to be hoped that both directors and shareholders may be rewarded for their perseverance.

At the time the gold mining projects were brought under public notice, on several occasions we cautioned the subscribers, and pointed out the necessity of a careful investigation into the merits of the undertakings previous to any capital being invested. In most cases our warning voice was unheaded, and the consequence has been the deplorable results that in most instances have been arrived at. It is not our intention here, seriatin, to follow the career of the several defunct associations, convinced, as we are, that such recapitulation would lead to no useful result. Most of the projects concected at that period were base and delusive, and only framed for the purpose of enriching the knaves who brought them into public notice, and misleading those who, in most cases, were guided by their own duplicity, folly, and avarice. With that class who embark in speculations to make a profit according to the turn of the market we have no sympathy; they will countenance any adventure, however specious it may be, provided that they see there is a chance of making anything out of it. Some of these associations have, however, been carried out in a most honourable manner; the directors have on all occasions shown that they have been worthy of the trust reposed in them by the proprietary, and if they have failed it has not been through lack of energy or honesty of purpose, but is mainly to be attributed to deficiency of capital and a want of proper knowledge, owing to inexperience, of the undertakings they were about to embark in. At this present period there are several companies which offer all the prestiges of success, but, owing to cramped resources, are prevented from so efficiently prosecuting operations, as the value of their property merits. The directors to raise further capital, either by subscriptions or the issue of bonds, and here it would seem that the matter has rested; t

PROPERTIES OF COAL-ARTIFICIAL FUEL

The qualities of coal are extremely various, at the same time that there re certain peculiar properties which may serve to divide coal into three distinct classes; namely, 1. Splint, or free-burning coal-2. Bituminous

The quaintees of coal are extremely various, at the same time that there are certain peculiar properties which may serve to divide coal into three distinct classes; namely, 1. Splint, or free-burning coal—2. Bituminous or coking coal.—3. Anthracite, or stone coal. The solid elementary portion of all these is the same, that is to say carbon, but mingled, in various proportions, with earthy or other matters. The gaseous, or volatile portions of coal, differ both in composition and proportions; in splint there are both hydrogen alone is present, which is slot the case with anthracite, but in the latter to the former is always much less than in the composition of water. In true bituminous coal hydrogen alone is present, which is slot the case with anthracite, but in the latter the proportion of gas is very small. The simple elementary gases are here only mentioned, but, of course, when these are expelled from coal by heat, they are always combined with carbon, varying in proportion according to circumstances. Its volatile constituents seem to influence the general character of coal.

The generation of stoam has, at the present day, assumed a magnitude and importance which calls for the strictest investigation into the properties of coal best adapted to that particular purpose. As bituminous coal possesses the property of binding, or running together when heated, it is not adapted for use in fire-places of steam-engine boilers, since it would be required to be continually policed, to keep it sufficiently open to allow an adequate passage of air through it. As splint coal has little or none of the binding property, it is preferred on that account; but in other respects its use is a objectionable. The want of this binding property occasions a great loss of fuel, by portions of unconsumed combustible matter continually passing through the fire grate; at the same time that much of this its use is objectionable. The want of this binding property occasions a great loss of the substitution of heat, the bulk of the gas flie

scriptions of small coal, so as to combine all the essential requisites of a good steam fuel. I found that where a mixture of coals, a fair proportion of which being coking coal, was suddenly exposed to heat in a close vessel, it ran together into a solid block. I have since contrived a set of castings, at ran together into a soil slock. I have since contrivent also of cashing, which may easily be arranged into moulds, and can be as easily drawn apart again, to remove the blocks of fuel when formed. I determined that the best mode of heating these moulds would be upon moveable hearths; and for this purpose I contrived a furnace consisting of a long archway, to be heated by blast fires, through which these hearths, having the moulds already arranged upon them, could be passed on wheels and rails. In order that any refuse small coal might be made available for forming fuel, I continued to the passed on wheels and rails. ready arranged upon them, could be passed on wheels and rails. In order that any refuse small coal might be made available for forming fuel, I contrived a method of washing coal, by forcing currents of air upwards through a bed of coal immersed in water, so as to carry off the lighter parts over plates arranged for the purpose, leaving behind the heavier portions, consisting of stones, slates, pyrites, and the larger pieces of coal. I found that when a mixture of coals, moderately moistened, was shot suddenly into a heated mould, the moisture, becoming steam, expelled all air from the interstiees between the particles of coal, so that when suddenly cooled, by dashing water over it, the block became sufficiently compressed, without any mechanical application. Fuel prepared upon this principle burnt freely, without emitting any smoke; it seemed well stapted for use in the fire-place of any steam-engine boiler, whether stationary, marine, or railway locomotive. Formed into blocks, it would economise stowage on ship-board; every surface being highly charred, would be a sufficient protection against the influences of weather and climate; the mode of preparation would be an ample guarantee for security against spontaneous ignition.

A lengthened and close scrutiny into the qualities and properties of coal, led me, as a natural consequence, to speculate upon the causes of such diversity; and this recalled to my recollection a circumstance which I witnessed in my early life. Being present when a considerable quantity of green vegetable matter was under treatment, one portion having been left saturated with water for several days, during suitry summer weather, upon being agitated I noticed the dense fumes of nitrous acid in great abundance. I can only account for this formation by supposing that decompositions, both of water and of vegetable matter, were going on simultaneously, the water furnishing oxygen, while the vegetable matter supplied the nitrogen, in this case fortuitously, in the requisite proportions to form

nitrous acid. The train of reasoning which this circumstance induces does not merely suggest the source from whence the varieties of all the quality and properties of coal may have arisen, but it points out a mode by which coal may be formed artificially, whenever the occasion may arrive. Suppose a quantity of green vegetable matter to be left in a moistened state for a sufficient period, exposed to the temperature most favourable for promoting the decompositions alluded to, and afterwards to be subjected to the operation I have described, for forming blocks of fuel, there is every reason to believe that coal, in a state of the greatest purity, might be formed by art, in a brief space of time.

THE IRON AND METAL TRADES OF SOUTH STAFFORDSHIRE [FROM OUR CORRESPONDENT IN BIRMINGRAM.]

MAY 10.-The general tone of nearly all parties engaged in trade, in this district, has been rather cheerful during the past week, and hopes are entertained of a much speedier revival of trade than could have been reasonably anticipated, from the condition in which it has been during the last six months. For this favourable change of opinion we are mainly indebted to the reduction of interest by the Bank of England, more favourable edges from America and States. able advices from America, and rather reassuring accounts from the sear of war. The money market has certainly become easier; it is not addificult to discount second class paper, and the merchants and manufacturers finding accommodation more readily afforded to them, have issued orders for goods rather freely, and given an impetus to many branches

From the iron works the reports are better; some brisk American order are said to have been received, and the masters, on the whole, are much more confident than could have been expected from the recent returns of the Board of Trade. The falling off in the exports of iron and general hardware exhibited by these returns is certainly very great, and would seem to indicate almost an entire stoppage of the American trade. I am, however, informed that the last advices from the principal states are much

more satisfactory, and promise still further improvement.

In the Copper Trade the demand is rather brisk, and prices firm, although in some branches of manufacture the hands engaged in working the article have been placed on short time.

In the Brass Cock Trade the demand is very limited, and the men are only half employed; but for military purposes there is a great consumption of brass, and many hands are busily employed in making helmets and military consents.

and military ornaments.

In the Tin Trade the demand is dull, but prices firm.

Electro-plating is inactive, and some of the large houses are rather making for stock than for orders.

making for stock than for orders.

In the Jewellery Trade increased animation is reported, but it is difficult to furnish anything like full work to the numerous hands who were
induced to come to Birmingham during the Australian mania, and who,
having become located here, find it difficult to remove.

The Pearl Button Trade still continues unfortunately depressed, and
the unemployed hands continue burdensome to the parish.

The contributions to the Paris Exhibition are still daily being forwarded, and well calculated to sustain our national reputation. Amongst other articles announced since my last, may be noticed a variety of round and flat chains, made at the works of Mr. James Edge, to whom a prize medal was awarded in 1861 by the jury appointed to examine such articles. The chains are described as being exceedingly durable, and capable of resisting a continued or audien training and continued or audient training and capable. cles. The chains are described as being exceedingly durable, and capable of resisting a continued or sudden strain; and means of testing their capabilities are afforded by Mr. Edge, who has provided a hydraulic machine for that purpose, upon his premise at Coalport. Messrs. W. and G. Ashford, of Kent and Essex-streets, in this town, have contributed a great variety of useful and ornamental articles, which cannot fail to command the attention of the Parisians. Amongst other articles are some elegantly finished and designed mountings for riding whips. Upon one of silver is placed a small but neatly modelled group in the round, of a French Chasseur supporting a Scotch Grey, whose horse, fully equipped, stands beside them. In alto-relievo underneath, are figures of English, French, and Turkish soldiers. An English grenadier is represented, in another group, performing a similar friendly office to a wounded Chasseur d'Afrique, who has fallen from his horse. In addition to a great variety of such articles, the firm have also sent a most claborately finished side-saddle, with splendid trappings, bridles of great perfection in material and workmanship, and bits, of overy variety in modern use, besides some novelties, one of which is most ingeniously contrived so as to serve the purpose of either a rigid mouth bit or snaffle. The stirrup, irons, and harnesses generally, are peculiar, and of the best possible description. In the glass trade. Messrs Lloyd and Summerfield, of Birninghen. purpose of either a rigid mouth bit or snaffle. The stirrup, irons, and harnesses generally, are peculiar, and of the best possible description. In the glass trade, Messrs. Lloyd and Summerfield, of Birmingham, have been preparing some very splendid specimens for the Exhibition, not the least interesting in appearance of which is a very handsome case to contain their contributions. The case is entirely composed of glass, with the exception of the bottom, which is wood, covered with dark coloured velvet. The sides and top of the structure is all glass, the framework being held together by polished metal rods running through the centre of each part. In the interior are grouped together some admirable specimens of fancy glass-work; and, exclusive of the small articles, the firm have adapted glass for the purposes of furniture and upholstory. A very well executed glass cornice pole, a massive frame for a pier glass, legs for drawing and boudoir tables, and pianofortes, cannot fail to attract particular attention.

The following patents have been specified during the week, through

boudoir tables, and pianofortes, cannot fail to attract particular attention. The following patents have been specified during the week, through Mr. Shaw:—Mr. Charles Hargrove, of Birmingham, has specified for improvements in annealing cast-iron, or in rendering cast-iron malleable. This invention consists, firstly, in the substitution of a series of ovens, or annealing chambers, made of fire-clay or brick, in place of the iron pans ordinarily used for containing the articles to be annealed. The inventor prefers to make the ovens, or annealing chambers, of a height equal to two or three times their width, and of a length equal to five or six times their width; but he does not confine himself to these proportions. The ovens are bested by fire-places, the heated air from which ascends on one side and descends on the other side of each chamber. The front portion of each of the ovens is open, and the articles to be annealed, and the peroxide of iron in which they are imbedded during the annealing process, are introduced at these openings; and as the chambers or ovens are filled up, the open ends are closed by a temporary wall. The invention consists, secondly, in the recovery of the iron ore, or peroxide of iron, used for annealing cast-iron. The ore; or peroxide of iron, suffers a partial reduction—that is, it loses oxygen during the annealing of the iron,

and the object is to recover the ore, or peroxide of iron, so as make it fit for use again. For this purpose the patentee treats the ore or oxide, after it has been used, by moistening it with water, and exposing it to the air; or the ore may be moistened with dilute hydrochloric, or nitric acid, and exposed to the air; or it may be treated by chlorine, or any of the compounds of chlorine, which possess oxidising properties. By any of these processes the used ore, or peroxide, may be recovered, and made fit for

Mr. Edward Simons, of Birmingham, has specified his patent for a new or improved candlestick. This invention consists of a candlestick, in which the candle is forced by a spring to bear against a nozzle, so as to maintain the flame at the same height during the burning of the candle. maintain the flame at the same height during the burning of the candle. To the candlestick the inventor attaches mechanism whereby the candle may be extinguished, or a bell rung at any desired time after the lighting of the candle. A bar, or rod of metal, at the side of the candlestick, is attached to a piece of metal fixed to the spring which forces up the candle. A cap, or extinguisher, turning upon a joint, and connected to the nozzle of the candlestick, is secured in an upright position by the end of a hook attached to the cap or extinguisher, entering an eye on the side of the candlestick. By the burning of the candle the piece of metal attached to the spring rises, carrying with it the rod or bar at the side of the candlestick. When the top of the rod or bar comes in contact with the end of the hook fixed to the cap or extinguisher, the hook is disengaged from the eye, the cap is released and forced by a spring on to the top of the candlestick, and extinguishes the candle. A graduated scale is made upon the top of the candlestick, each division representing the length of candle which will burn in an hour, or other unit of time. In order to extinguish the candle at any desired time, it is necessary to proceed as follows. After the candle is lighted the top of the rod must be adjusted by means of a thumb-screw, until it stands opposite the figure on the scale which represents the number of hours which it is wished shall clapse before the candle is extinguished. When it is wished to ring a bell instead of extinguishing the light, the extinguisher is removed and a bell substituted; a hook on the bell is engaged in the eye, and the rod adjusted as before mentioned, and when its top comes in contact with the hook, the bell is liberated and rings violently. The candlestick may thus either be used as a night-light or as an alarum. To the candlestick the inventor attaches mechanism whereby the candle

TRON AND COAL TRADES OF YORKSHIRE AND DERBYSHIRE

May 11.—There is a more plentiful supply of merchants' orders than for some time past, and the diminution of the make in Staffordshire, by the extinction of about one-third of the furnaces which were in blast, will, no doubt, impart increased firmness to the trade. In addition to this, the steady demand for Scotch pig-iron, which appears to continue without much intermission, has a decided tendency towards preventing a further decline in the value of iron. Sectch pic-iron has gained a good without much intermission, has a decided tendency towards produced a good further decline in the value of iron. Scotch pig-iron has gained a good reputation abroad, from its suitableness to foundry purposes; and although the production in Scotland is considerable, it does not appear to be more the production in Scotland is considerable, it does not appear to be more the production in Scotland is considerable, it does not appear to be more the production in Scotland is considerable, it does not appear to be more than the scotland in the scotland in the scotland is considerable. than readily finds a market with the adoption of railways. We are glad to find that the Welsh ironmasters have taken extensive contracts for rails, and there is little doubt that the present low figures will temp buyers to come into the market. The ironworks in Yorkshire and Derby buyers to come into the market. The ironworks in Yorkshire and Derbyshire are generally well employed, the makers of the best descriptions of iron having made no reduction in price, their iron having obtained so great a reputation for railway purposes enables them to continue actively employed. The production of plates, rails, bars, and hoops, is but little checked, and on the whole a much better state of things exists than is reported from Staffordshire.

The Sheffield trades exhibit signs of improvement, and although business is contracted it is not to so earlies an extent as was appropended.

ess is contracted, it is not to so serious an extent as was apprehended. The Coal Trade must be reported brisker than latterly, without an

The Coal Trade must be reported brisker than latterly, without any material alteration in value.

The general aspect of trade throughout the country has assumed a decidedly more cheerful character; and a favourable change in the weather, with refreshing showers, inspires a hope that we may have a good harvest. In a commercial point of view, too much importance cannot be attached to this question, because the high price of grain will induce shipments from all parts of the globe.

A petition is in course of presentation to Parliament from the Town Council of Sheffield, for a bill for better securing the property of iron, steel, outlery, &c., manufacturers, against a system of embezzlement which is extensively carried on by the workmen who have materials entrusted to their care to make, not upon the premises of their masters.

There is nothing new in the lead mining district this week.

Ships. Tons.

THE COAL TRADE.

The following is a statement of the delivery of coals, &c., in the port of coals, &c., in the port of ondon during the month of April:—

Newcastle	9 27 34 3	1,743 770 5,171 2,272 784
Total	973	268,458 241,326
Inland coals by railway, canal, and common roads, entered at the coa	l mar- Tons	75,89814
Imported from 1st January to 30th April, 1854Ships 4,016	1 129.6	35 tons
Imported from 1st January to 30th April, 1855, 3,404	970,2	

Decrease of ships and tons 612 159,405 THE RAILWAY COAL TRADE.

Monthly statement of coal and coke brought by railway and canal within

he London district, during the month of April :-		
Railways. Tons cwt. Railways.	Tons o	wt.
Great Northern	4,270	
North-Western 16,319 0 South-Eastern	2,011	14
Eastern Counties 11,354 0		
Total by railway in April, 1855	73,815	
Coals by railway in April, 1854	78,457	13
Coals by canal in April, 1854	2,229	0
Comparative Statement of 1854 and 1855.	10.8	
Coals by railway from 1st January to 30th April, 1854	310,993	19
Coals by railway from 1st January to 30th April, 1855	309,191	2
Decrease in the year 1855—railways	1,612	17
Coals by canals from 1st January to 30th April, 1854	10,810	9
Coals by canals from 1st January to 30th April, 1855	6,031	0
Decrease in the year 1855—canals	4,779	9

SALE OF THE NEW LINARES MINING COMPANY'S PROPERTY. -- On Thursday, at Garraway's, this property, consisting of twentytts, or pertinencuss, with all the machinery and plant, was brought to the hammer by Mr. T. P. Thomas. The biddings, which commenced at 1000f., went on languidity, until they reached 2700f., when they were knocked down to Mr. Goatly, but we could not ascertain if for any particular party. The auctioneer stated that 30,000f. had been expended, that the works and machinery were in good condition, and that in San Eoqua there was a course of cliver-lead ore worth 7 tons per fathom.

pended, that the works and machinery were in good condition, and that in San Requa there was a course of silver-lead ore worth 7 tons per fathom.

SALE OF MINING SHARDS.—At Mr. T. P. Thomas's sale, by auction, at Garraway's, on Thursday, a large number of shares in promising mines were submitted, the majority of which found bons fisie purchasers. In West Alfred, 5 shares, sold for 104. 10s.; 10 for 114.; 3 for 114. 12s. 04.; and 2 for 114. 15s., per share.—In Tincroft, 130 soid for 22 10s.; 15 for 24. 1s.; and 20 for 24. 12s., per share.—In Reprint of the withdrawn.—One Wheal Buller was bought in at 34.—In Cwm Darren, 15 sold for 54.; 5 for 54. 5s.; and 40 were bought in at 34.—In Cwm Darren, 300 shares were passed for want of a shéder.—I West Schon sold for 1934.; 1 West Rech for 134. 5s.; 1 in Great Wheal Alfred for 194. 15s.; 2 for 124. 5s.; and 5 for 124. 10s., per share.—In San Swheal Roeth for 184. 5s.; 1 in Great Wheal Alfred for 194. 15s.; 2 for 124. 5s.; and 5 for 124. 10s., per share.—In West Frovidence, 104; and 2 for 114. 15s., per share.—Great Wheal Kortune, 25 shares, 54. 10s., per share.—East Wheal Rose, 3 shares, 344; 4 shares, 344. 5s.; and 3 at 344. 10s., per share.—In Pembroke and East Crimin, 154 shares, 344. 5s.; and 3 at 344. 10s., per share.—In Pembroke and East Crimin, 154 shares, 344. 5s.; and 3 at 344. 10s., per share.—In Pembroke and East Crimin, 154 shares, 344. 1s.; Cornwall Railway, 20 shares bought in at 46s.; Swanpool, 195 bought in at 34.; Cornwall Railway, 20 shares bought in at 40s.; Swanpool, 195 bought in at 34.; Darrens, 33 sold for 3s., and 70 for 3s. 6d. per share; I West Caradon, 1704.; 1 South Basset, 5974.; 1 West Damsel in at 1254.; 1 West Damsel in at 1254.; 1 West Laradon, 1704.; 1 South Parks, 5 shares, at 64. 10s.; and 5 shares, at 7. 3s. per share. bought in at 141.; 1 South Prances sold for 3874. 10s.; 1 Rosewarne, 1331. 10s.; and North Crofty, 10 shares, were bought in at 184.; Angelent Per Shares, 10s.; 1 The Rech Marks, 20 shares, at 1s. 3; Wheal Norrics, 30

vens.

North Groity, 10 shares, were bought in at 137.

ARGENTIPEROUS IRON.—The mining of argentiferous iron is at this time ricon, and the statement of the st

PREPARED PEAT AS A SMELTING FUEL.

We have on so many occasions called attention to the immer tance of the peat bogs of Ireland, in a social, commercial, and metallur. gical view of the subject, as well as to many other extensive similar deposit in various other portions of these islands, that to repeat our remarks here would be superfluous. Notwithstanding that peat, next to wood, no doub proved the most primitive fuel of our forefathers, and in its use probably proved the most primitive fuel of our forefathers, and in its use probably formed a great step in advance in social progress, and that although in numerous districts here, and in continental countries, still forming a most important item in the domestic economy of the peasant, little has been done towards the improvement of its preparation, the most primitive operations still exist in practice; and while during the present century a number of scientific individuals have turned their attention to the subject, their energies have, unfortunately, taken a wrong direction, its collection and preparation remains, but in a very small degree, unimproved their energies have, unfortunately, taken a wrong direction, its collection and preparation remains, but in a very small degree, unimproved; and an enormously extensive field for the profitable development of engineering skill, and a staple product of national wealth, still remains open. The mass of fuel in the bogs of this kingdom is too great and too valuable to be lost, or even wasted, by rude, imperfect, and unscientific methods of obtaining a merely scanty produce from the surface, and even that but by the loss of much of its most characteristic and valuable properties; it is, therefore, highly important to all interested to know that active measures are now in progress, and with every prospect of success, for obtaining from prepared turf such results as have hitherto been considered chimerical, fallacious, and Utopian.

We have been led to these remarks by an inspection during the week of the operation of a powerful turf-pressing machine, which has been matured and constructed by Messrs. Gwynne, and is now in operation at their engineering and patent centrifugal pump works, Essex-wharf, Strand. In the course of perfecting the machinery for carrying out the inventions of Messrs. Gwynne and Company in the preparation of peat, we had occasion, at various periods during the past year and the commencement of the present, to remark at some length, and insert communications on the subject in the columns of this Journal; and as it has now become of still greater importance, from its truly successful application on a larger and to a certain extent reactively working seeds we make no scolery feestively and constructed of the present, to remark at some length, and insert communications on the subject in the columns of this Journal; and as it has now become of still greater importance, from its truly successful application on a larger and to a certain extent.

greater importance, from its truly successful application on a larger and, to a certain extent, practical working scale, we make no apology for again commenting upon it, being, as we believe it, capable of introducing great

commenting upon it, being, as we believe it, capable of introducing grest national benefits.

The rationale of the process of preparing turf, and rendering it a pure fuel, fit for the most delicate metallurgical operations was, under the original patent, to air-dry the turf, by which it lost 40 per cent of it hygrometric moisture; but the patentees have since still further simplified and economised the process, by which the peat can now be taken from the bog, instantly operated on in the drying cylinders, passed to the compressing machine, and turned out a perfected fuel of great specific gravity in the form of a brick, by one continuous and rapid process. As the foreign patents are not, however, yet matured, we cannot make public this part of the arrangement, and in describing the modus operandi, we must on this occasion take the turf as air-dried. By means of a chain of end-less buckets, commonly called a "Jacob's ladder," it is raised and poured into a hopper, placed over a series of cylinders heated by steam, from which it emerges a perfectly dry impalpable powder. The heat being properly regulated, it enters the hopper of the compressing-engine at a temperature of 180°, at which the tarry properties of the peat are just sufficiently developed to form a powerfully cementing compound, and the brick of compressed turf, when cold, is a dense and solid body, with a higher specific gravity than, and possessing all the good qualities of, coal, with none of its impurities or defects, and containing many useful preperties, which the best mineral carbonaceous fuel does not possess.

The compressing machine under notice forms a brick of one pound in weight, but, although such sizes will be found neather for the result for mean process.

The compressing machina under notice forms a brick of one pound in weight,; but, although such sizes will be found useful for many purposs it is proposed in practice to employ a much more powerful apparatus, capable of compressing masses of 4 lbs. each, about the size of a common brick, and half its specific gravity. The fuel is perfectly homogeneous, withstands the abrasive and destructive operation of the blast better than colour colours. withstands the brissive and destructive operation of the blast better than coal or coke; and we believe that when properly appreciated, and brought into use, not only for metallurgical, but steam-engine, domestic, and numerous other purposes, it will be found the most effective and the most economic fuel yet known. To lead to a proper understanding of this subject, it must be borne in mind that dry peat is the great object subject, it must be borne in mind that dry peat is the great object subject, it must be borne in mind that dry peat is the great object subject, it must be borne in mind that dry peat is the great object subject, which is the property of the peat in the great object in the subject in the subject is the great object. sphere, have hitherto been the chief obstacles to successful results in its preparation. After apparently the most perfect air drying, and feeling without moisture to the touch, peat as now prepared contains from one-fourt to one-third of its weight of water, greatly depreciating its calorific powers. By the processes patented by Messrs. Gwynne, this adulterating agent is entirely got rid of, and the really useful portion of the peat, with all its carbonaceous, bituminous, and saline properties, in a state fit for perfect combustion, is preserved intact.

In closing these remarks, we would observe that many other interesting details will be found in former Numbers of the Mining Journal, particularly those of December 10 and 17, 1853; January 14, an original communication and an article; and December 16 and 23, 1854; some of which relate to the Great Peat Working Company of Ireland. We have in these descriptive remarks by no means touched upon every point, but recommend all interested to inspect the machinery now exhibiting, the time required for which will be found well employed.

ACCIDENTS WITH REVOLVING PISTOLS.—The late melancholy accidents which have occurred in the Crimea through the use of Dean's and Adams's revolvers, together with one or two similar accidents last year in the Baltic, are calculated bring revolving arms into some disrepute. The death of Dr. Gavin by the hand is brother, and the injury inflicted upon himself by Captain Donovan, of the 33d rejument, have been made public through the columns of the Times newspaper. It is however, but fair to state that such accidents are impossible with Colt's pistols, to which we have always given a preference in every particular. Moreover, when we have seen superiority asserted and claimed by those who have borrowed so much from Col. Colt's invention, we have uniformly maintained the superior merits of the rail and genuine revolver. It is impossible to discharge a Colt's pistol by mere concession occasioned by stumbling, or being stumbled against, as in Captain Denovan's usa. Nor, as in the other unfortunate affair to which we have alluded, which deprived one brother of life and another temporarily of reason, will accidental pressure by the ferninger, without cocking, discharge it. It can be occleted and fired rapidly enough for any purpose with one hand, and, whilst it carries much further, is infinitely safe than any other pistol. The other charges are never displaced by the firing of one, owing to the form of the lewer ramord; and such is its bermetical security what loaded, that a Colt's pistol may be left under a running stream, and discharged a mesh later, without a single chamber hanging fire.

after, without a single chamber hanging are.

LAUSE OF THE FAILURES OF LANCASTER'S GUN.—The cause of the JUAUSE OF THE FAILURES OF LANCASTRE'S GUN.—The cause of the disastrous failures of the two-groove rifle canson, commonly called Lancaster's enigun, arose, not from any defect in the gun, but from the form of the shot and shi, which is conical or conoidal, like a boy's peg top; the proper form abould be slighteneously. The originarical body of the missile should be at least an eighth longs in its passage through the barrel. It was this tripping, soting like a wedge or leave its so frequently burst the Lancaster guns. The form of my shot and shell for rifle cannon and rifle small arms has been, ever since the year 1232, oylindro-conoidal. Such were the missiles that I successfully used from my rifle iron one-posader, when we can take the Cork, nearly two years ago, with the rifles ready formed in the called a four grooves, and might be called a double clipite bore gun; I sent it, with few of its projectiles, to the Turkish Minister of War at Constantinople, is charge of Captain Kilbock, commanding the Himalays at the time the 5th Dragon Gunbarts and its sent and in embarked on board that vessel for the seat of war. Figures 12 and 25, pp. 6 and 1, is may pamphiet on Projectiles, and p. 245 in the Practical Mechanic's Journal for Dec. 1833, show the form of the shot and expanding asbot.—J. Norrow: May 11.

NOVEL CONSTRUCTION OF STEAM SCREW COLLIERS.—The Eastern Archipelage Company have commenced the formation of a fleet of coal vessels, of north construction, for the transport of the produce of their coal fleds in Borne and Isbuan, where their concession from the Sultan extends over a length of 150 must buan, where their concession from the Sultan extends over a length of 150 mills buan, where their concession from the Sultan extends over a length of 150 mills buan, where their concession from the Sultan extends over a length of 150 mills buan, was a sulfar of 150 mills of

WHITE LEAD OBTAINED BY PRECIPITATION.—Mr. Richard Baker.
Newark, New Jersey, has patented an improved method of preducing the white bonate of lead of commerce, consisting of a combined arrangement of apparatus, structed so as to produce the carbonate by precipitation, more expeditionly and anomically than by the usual methods. The apparatus consists in connecting via air-pump a series of a great number of distribution pipes, descending verificing as main horizontal tube, and passing down through the head of the precipitation into a solution of sub-ascetate of lead,—one pipe at least for every quare for surface of the up of the vessel, thereby traversing the solution with a great and of the precipitation of arbonate of lead, and as the vertical tubes caused up with the ponderous precipitate, a constant blast is secured.

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NATIONAL PROVINCIAL BANK OF ENGLAND.

The samual general meeting of proprietors was held at the Bank, Bishopsgate-street, Mr. Lavairs in the chair.

The Carineary.

Mr. Lavairs in the chair.

The Dealier Roberts of the manager) read the notice convening the meeting.

The Carineary and the holowing report:—

The directors have the bosoner to present to the proprietors their twenty-second stall report. The directors have to inform the meeting of a recent, but important, comion of business. In consequence of the death of Mr. Kinners's, the only surriving partner of the firm of Messrs. Kinners's and Sons, bankers, Newcastle-under-Lips, his executors opened a negociation with the directors, which they are happy to sate has resulted in an arrangement under which the National Provincial Bank have been to sport unity of tendering their best that to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns. Kinners's bank for the ready and co-chairs to the numerous customers of learns and the business transferred to the neighbouring branch at Percaport. The proprietors will, no doubt, recollect that in the early progress of the cubblishment an issue of 12,000 (20). shares was determined upon; of this number, bowers, only 6008 were allotted. To meet the domand from the country for the company's shares (which were not to be obtained in the market), and with the view of drest the summary of the company's branches the remaining 3017 shares, at a premium of 04. per share, the then market pries. The promium received upon these shares amount, therefore, to 23,002. Of this sum, 74734, 19s. 6d. have been applied in extinction of preliminary expenses, and the ba

To which has to be added premium on shares issued.

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Less balance of preliminary expenses.

7,473 10 6=16,023 0 6

Less balance of preliminary expenses.

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Less balance of prevent; or the content of the bank. The commencement of the prevent of the prevent of the bank. The commencement of the prevent of the bank. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which commercial depressions. The commencement of the year 1854 was one in which considered to have done their duty on behalf of the proprietors generally. The directors had continued to manage the affairs upon the proprietors and the proprietors and the proprietors and the proprietors are not prevent of the proprietors upon their position; they were running the same proprietors upon their position; they were running the proprietors and the proprietors are not prevent of the proprietors and the proprietors are not prevent of the proprietors and the proprietors are not prevent of the proprietors and the proprietors are prevent of the proprietors and prevent of the proprietors and the proprietors are prevent of the proprietors and prevent of the proprietors are prevent of the proprietors and prevent

see; and the publishers have succeeded in producing a work of general information, of the utmost importance to all persons connected with the colony. Among the new fatures in the volume before us, is a list of mining companies in South Africa, complied from authentic official documents, published at intervals, showing the subscribed capital, number of shares, amount paid on each, with the names of directors, agents, and officers, as far as they could be obtained; with general information on the subject of mineral lands, and deposits, as aiready discovered. The first proceedings of the colonial Parliament, the occurrences at Cape Town and other settlements, reports of the several courts, with the most recent information possible on every subject confected with the maxil, military, judicial, clerical, sanitary, and social position of the people, neder the volume all that could be desired. We moticed, in our last Journal, the lacreasing exports of minerals from the colony, and shall resume the subject in our last on the notices relative to the mining companies, and the latest discoveries.

A photographic picture has just been published by Messrs. Negretti and Zambra, of Hatton-garden, representing the interesting moment when her Majesty and Frinca Abbrt, with the Emperor and Empress of the French, took their seats on the data in the Crystal Palace, on their memorable visit to that splendid crection on riday, the 30th April last. In studying this picture, it must not be taken in general as a perfect specimen of photography, the outer margin being somewhat indistinct and cloudy; but the great features in it are uter margin being somewhat indistinct cipal figures in the centre, and the extraordinarily striking correctness in the like-axes, which, although perfectly clear to the naked eye, are brought out with still freater beauty and perfection by a magnifying lens of moderate power. Had the distinguished visitors ast purposely for the occasion, a more perfect result could not have been obtained. The purposely for the occasion, a more perfect result could not have been obtained. The purposely for the occasion, a more perfect result could not have been obtained. The purposely for the occasion, a more perfect result could not have been obtained. The purposely for the occasion, a more perfect result could not have been obtained. The purposely for the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect result could not have been obtained. The purpose of the occasion, a more perfect power. It alto the occasion, a more perfect power. It also the purpose of the occasion, a mor

APPLICATIONS FOR PATENTS, AND PROTECTION ALLOWED.

W. Hutchison: Artificial stone.—J. Reveil: Propeiling vessels.—F. W. Mowbray:
Axle bearings.—W. Brown: Sheet metal casks and kegs.—A. McDougall: Consuming smoke.—A. Dalgety: Steam-engines.—A. Befer: Steam-boilers.—W. Tytherleigh:
Covering iron with copper.—T. W. Bunning: Steam-engines.—T. B. Crampton.
Furnaces.—R. S. Newall: Standing rigging of ships.—H. Chapman: Supplying and
adjusting electrodes used in the production of electric light.—W. H. Tooth: Floating
vessels and machinery, and steam signals.—J. Cowen and J. Sweetlong: Losomotive
land battery.—S. Greenwood: Rivets, boils, nuts, &c.—J. Crowley: Malleable castiron.—H. M. Hoimes: Tyres for wheels.—A. H. A. Durant: Axle and axle-box.—
J. Fielding, jun.: Lubricating pistons.—A. Chaplin: Steam boilers and combustion
of fuel.—L. and A. Oudry: Preserving wood, metal, &c.,—P. A. Devy: Coke overs.
—J. Vernon: Shide-valves.—A. Cuninghame: Sulphuric acid and sulphates of iron
and alumina.—E. and W. Howes: Carriage lamps.—A. V. Newton: Machinery for
crushing and grinding mineral substances.—J. H. Johnson: Railway-breaks; also,
Prevention of smoke.—M. Lyons: Enamel for coating metals and bricks.

WEEKLY LIST OF PATENTS SEALED.

WEEKLY LIST OF PATENTS SEALED.

N. Callan, Maynooth College—Exciting agents used in galvanic batteries, and in the construction of galvanic batteries.

J. E. McConnell, Wolverton—Steam-engines.

J. Armstrong, Normanton Station, Wakefield—Chairs and crossings for the permanent way of railwaya.

J. H. Johnson, Lincoln's Inn-fields—Preventing or removal of incrustation in steam J. Ridden, Gosport—Prevention of smoke from furnaces.

[alloys.] W. Johnson, Lincoln's Inn-fields—Coating iron and steel wire with other metal or T. Walker, Birmingham—Rotary engines to be worked by steam or other fluid.

J. Hulls, Plaistow, and J. Lowe, Lambeth-road—Coating iron and other metals with lead.

A. V. Newton, Chancery-lane—An improved construction of engine, to be actuated by the expansive force of explosive mixtures.

The contract of the board repeated place of the period of the contract of the board of

extraordinary development of the art on that day was a stereoscopic picture of her Majesty, the surrounding groupe, and the vast assemblage present, within range of the powers of the camera. In this picture, every person's countenance is quite distinct, and stands out in boil relief.

WEEKLY LIST OF NEW PATENTS.

APPLICATIONS FOR PATENTS, AND PROTECTION ALLOWED.
W. Hutchison: Artificial stone,—J. Reveil: Propelling versels.—F. W. Mowbray: Azle bearings.—W. Brown: Sheet metal casks and kegs.—A. McDougall: Consuming smoke.—A. Dajegty: Steam-engines.—A. Beggy: Steam-engines.—Beggy: Beggy: Be

tlement.

And notice is hereby further given, that any person who shall have been assured by the society for two whole years, may, on the production of his policy and of the last receipt for the premium thereon, be present at such meeting. At each of the said meetings the chair will be taken at Twelve o'clock precisely.

By order of the Directors, WILLIAM SAMUEL DOWNES, Actuary.
Fiect-street, London, May 10, 1855.

RAILWAY TRAFFIC RETURNS.

England.—Subjoined are the traine returns of the last week:—	1855.		1856	
London and North-Western	£57,477		£54,416	
Lancashire and Yorkshire	19,321	******	18,511	
London and Sonth-Western			13,472	
London and Brighton		*******	11,946	
Midland			24,148	
Great Western		*******	22,858	
North-Eastern		*******	28,000	
South-Eastern	15,808	********	15,425	
Great Northern		********	17,553	
Chester and Holyhead	4,803	*******		
Manchester, Sheffield, and Lincolnshire	8,716	********	7,012	
East Anglian	000	********	864	
Eastern Counties, Norfolk, and Eastern Union	21,817	*******	20,293	
Bristol and Exeter	6,127	*****	5,310	
Exeter and Crediton	161	*******		
Shronshire Union	746	*** *****	682	
Birkenhead, Lancashire, and Cheshire Junction	4,170	********		
Manchester and South Junction	671	********		
Newcastle and Carlisle		*******	2,759	
East Lancashire	5,152	*******		
Oxford and Worcester	3,200		- 2,708	
These figures show the following aggregate results :-				

It appears from this comparison that the general railway traffic continues in a sa-tisfactory state. The receipts of the Birkenhead, Lancashire, and Cheshire, and London and North-Western Companies, are increased this week by Chester races.

Scotland.—The returns on Scotch lines are :-			1854.
	£ 2,221 11,552 4,587 5,147 5,374 2,396 895	*********	11,026 4,252 5,035 4,998 2,271 878
Total	£32,974		£30,250
IRELAND The Irish returns are :-	1855.		1854.
Belfast and Ballymena Belfast and County Down Cork and Bandon Dublin and Belfast Junction Great Southern and Western Londonderry and Enniskillen Londonderry and Coleraine Waterford ann Kilkenny	263 258 957 6,794 612 236		253 235 996 6,413 480 263
Total	£10,400		£0,680

RAILWAY TRAFFIC.—The traffic returns of railways in the United Kingdom for the week ending 5th May amounted to 375,4961., and for the corresponding week of 1834 to 346,6961., showing an increase of 28,8901. The gross receipts of the cight railways having their termin in the metropolis smounted for the week ending as above to 169,2211. and for the corresponding week of last year to 186,9321. The increase on 12,2891.

The increase on the Eastern Counties Railway amounted to 15231.; on the Great Northern to 24691.; on the Great Western to 34574.; on the London and Northewestern to 36074.; on the London, Brighton, and South Coast to 6711.; on the London and South-Western to 8894.; and on the South-Eastern to 3331.; total, 12,4394.; but from this must be deducted 1701., the decrease on the London and Blackwall, leaving the increase as above, 12,2891.

The receipts on the other lines in the United Kingdom amounted to 206,2754., and for the corresponding period of 1834 to 189,7644., showing an increase of 16,5114. in the receipts of those lines, which, added to the increase on the metropolitas lines, makes the total increase 23,5004., as compared with the corresponding week of 1854.

The receipts of the Stockton and Bodisester, Pallocated and Bodisester, Pallocated and Stockton and Bodisester, Pallocated and Stockton and Bodisester, Pallocated an

for the corresponding period of 1834 to 189,764f., showing an increase of 18,54f. Inter-cecipts of those lines, which, added to the increase on the metropolitas lines, makes the total increase 28,500f., as compared with the corresponding week of 1854.

The receipts of the Stockton and Darlington Railway for the month of April were 26,050f., being 450ff. more than in April last year.

The Antwerp and Rotterdam Railway continues steadily to progress. The traffic return for Jan. was 937f.; Feb., 1275f.; March, 1803f.; to the 23d April, 2047f.; and the last two weeks together (April 29, 250f., and May 6, 60ff.), 112ff. Between six and seven miles are yet to be opened to Moerdyke and to Breds, and the large and heavy merchandise cannot be received until the whole is completed, which is expected in the course of the present month.

The traffic on the Great Western of Canada Railway is still increasing amounting to 11,662f. 12s. 4d. sterling, or 22f. 15s. per mile, for the week ending April 20, against 5216f. 19s. 4d. sterling, or 22f. 15s. per mile, for the week ending April 20, against 5216f. 19s. 4d. sterling, or 22f. 15s. per mile, for the corresponding week of last year. The suspension bridge, recently opened over the Niagara River, continues to afford satisfactory results, and fully answers the expectations raised respecting it. The accumulation of roods on the American side of the bridge, brought by the Great Western Railway of Canada, is much diminished, but is still felt as an obstacle to the increasing goods traffic. A general meeting of the English shareholders will be held at the London Tavern, on the 23d inst.

At the South Wales Railway Company's meeting at the Great Western Railway of the consolidation of the several Acts, and for carrying on certain necessary works. The chairman explained that one of the works to be carried out was likely to return a large revenue to the company; it was a branch line, rendered necessary by the construming a proper of the stock of the stock of the stock of the stock of

GEOLOGY OF SCOTLAND.—Professor Harkness read a paper "On the Anthracite Shales, and Facoidal Schists of the South of Scotland" at the Geological Society's last meeting. The lower Silurian rocks in the south of Scotland, occupying Dumfriesshire and Kirkendbrightshire, and the counties to the east and west, contain three or more thin bands of anthracite shales, which have at times been unsuccessfully worked for fuel. The stream of Glenklin, about nine miles north of Dumfries, and affords a good section of one of these black bands, which abound with graphotites, and affords a good section of one of these black bands, which abound with graphotites, and are greatly contorted. The author considered it probable that these anthracites were originally formed from extensive masses of seaweds, and that the muddy vegetable matter became impure coal, and was afterwards hardened and deprived in great part of its combustible matter by great pressure, and the violent factures and contortions of the including strata. Mr. Harkness referred also to the occurrence of fucoidal remains in other parts of south Scotland—viz., at Griestone and at Buriae—and he illustrated and described some of the species of the ancient seaweds from Buriae.

MORRE TAMAR MINE (LEZANT).—We learn that this mine is about to be vigorously worked by the parties who so promptly and efficiently opened Wheat Wrey. At the latter mine the shaft was pitched in May, 1853, a new engine erected, and a bunch of ore cut, 15 fathoms from surface, by April, 1854, which bunch has continued 180 fathoms. The speed at North Tamar is likely to exceed this, as there is a shaft 40 fathoms deep, and as all the necessary machinery, including a powerful as a shaft 40 fathoms deep, and as all the necessary machinery, including a powerful as a shaft 40 fathoms deep, and as all the necessary machinery, including a powerful as a shaft 40 fathoms deep, and as all the necessary machinery, including a powerful as a shaft 40 fathoms deep, and as all the necessary machinery, including a powerful and is months' energetic working, the lode will be opened in the 26 and 40 fm. levels. Some years ago, 300 cons of lead ore were taken from the back of the lode, above the 20, in a space cf 30 fathoms driving, up to the border of North Tamar, in an adjoining sett. The lode not only runs into North Tamar, but dips under it at the 20, with the bunch from which the ore above stated was takes. The then owner of North Tamar would only grant on very onerous terms, and this, with the bankruptcy of the load director, caused its stoppage. We are informed that Mesers. Offord have, by a liberal premium to the present isndibord, and arrangement with the miners in possession, secured the sett, with all its advantages, at 1-16th dues. They have had the load director, caused its stoppage. We are informed that Mesers. Offord have, by a liberal premium to the present isndibord, and arrangement with the miners in possession, secured the sett, with all its advantages, at 1-16th dues. They have had the load director, caused its stoppage. We are informed that Mesers. Offord have, by a branch of lead 12 in, wide, and who pronounces the loads to a branch of lead 12 in, wide, and who pronounces the loads to a branch of lead 12 in, wid

DEDN-AN-DREA AND WHEAL SPARNON MINE,—Whereas EDN-AN-DREA AND WHEAL SPARNON MINE.—Whereas, certain persons in London and in Redruch have published statements that the FEDN-AN-DREA and WHEAL SPARNON UMITED MINE, situate near Redruth, in the county of Corawall, is divided into 1e,000 shares, and have offered a certain number of such abares for sale.—Now notice is hereby given, on behalf of Mr. FRAN-CIS BOTTRALL, of Camborne, that the said raine is divided into 50,000 shares, and that by the agreement between the promoters of the mine the said Frantis Bottrall is the holder of 2000 of such 50,000 shares, and that his said shares are free to the extent of £1 per share. And notice is further given, that the said Francis Bottrall has never consented to any re-constitution of the mine, and insists upon retaining his 2000 (30,000th) shares free, as aforesaid.

Truro, May 8, 1835. J. G. CHILCOTT, Solicitor for the said Fras. Rettrall.

TLEW BAY COPPER AND SULPHUR MINING COMPANY.—
Shareholders in this company, entitled to PARTICIPATE in the DIVISION I FORFEITED SHARES, are requested to APPLY for their proportion go or beare MONDAY NEXT, or their claims will not be admitted.

By order of the Committee of Management,

J. MAY, Sec.

MIZEN HEAD COPPER MINING COMPANY,—FINAL that unless the CALLE THE shareholders in this company are MIZEN HEAD COPPER MINING COMPANY.—FINAL NOTICE.—The shareholders in this company are requested to take notice, that unless the CALLS DUE on their SHARES since the 15th July, 1854, be FAID before One o'clock on the 14th inst., the FORFEITURE of such SHARES will then econfirmed. It being necessary to provide without delay for the liquidation of the debts due by the company, and for carrying on the undertaking, the time cannot be further extended.

Offices, 1, Bishopsgate-street Within, London, May, 1855.

The committee of shareholders appointed on the 16th February last are and four that their co-shareholders should avail themselves of this, the last opportunity, of eaving up, and thus release the mine from its liabilities.

Should those in arrear not pay a sufficient sum to clear off the liabilities, a call must be made for this purpose on all those who have already paid up in full, in order to save the property. Should this call not be responded to, the only alternative will be to sail the lease.

De to sell the lease.

PollTIMORE MINING COMPANY.—Notice is hereby given, that at a SPECIAL GENERAL MEETING, held on April 25th last, it was resolved that the shareholders be called upon to contribute 1s, per share for the necessary expenses of the mine, on or before the this day of June next, and further that the sum so contributed be not appropriated for any purpose till sanctioned by a general meeting. Pursuant to the above, ALL SHAREHOLDERS, registered or non-registered, are hereby called upon to PAY to the secretary, at the office of the company, the sum of ONE SHILLING on every share held by them, once before the 9th day of June next. Special attention is also directed to the 6th rule of the company, under which, in the event of the shareholders failing so to contribute, the directors will be authorised in disposing of the mine by sale, for the benefit of the adventures.

N.B. The numbers of all shares upon which the call is to be paid must be for warded at the time of payment; but should it be determined by the next general meeting to retain the money so paid, the shares must be produced.

By order.

By order.

N.B. The NEW C. CROFT, See, and Purser.

21, King-street, St. James's, May 1, 1855.

The Ring-street, St. James's, May 1, 1995.

TART BAY SLATE QUARRY COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of this company will be HELD at the offices of Messrs. Lumiey and Lumiey, solicitors, 41, Ludgate-street, London, on Thursday, the 24th day of May inst., at One o'clock F.M., precisely, for the purpose of dissolving the company, under the provisions of the 19th Rule of the Cost-book of the company, and of passing such resolutions thereon as the meeting may deem advisable; and also of agreeing to or confirming the resolutions passed for the same purpose at the meeting held on the 9th inst.

By order of the Committee,

LUMLEY AND LUMIEY.

41, Ludgate-street, London, May 10, 1855.

EAST WHEAL ROBERT, IN THE PARISH OF SAMPFORD SPINEY, IN THE COUNTY OF DEVON.—6000 shares.
On the "COST-BOOK SYSTEM."—Held on lease for 21 years, at 1-15th dues.

PROSPECTUS.

This mine, as will be observed by the accompanying reports of well-known agents, contains the now celebrated Sortridge and North Wheal Robert lodes; and, from the samples of the ores which have been taken from the shoding-pits, where the backs of the lodes have been aiready opened on, there exist the same (avourable indications of valuable courses of ore, at very shallow levels, as were evidenced in the Sortridge and North Wheal Robert setts.

The East Wheal Robert is, therefore, undoubtedly entitled to such reflective value as must now be attached to setts in this district which possess the lodes of the abovenamed important mining proporties; whilst it has, in addition, certain most favourable features, which are poculiarly its own.

The East Wheal Robert is bounded on the south by the River Walkham, from the most important facilities for working the mine, at a very trifling cost.

The East Wheal Robert is bounded on the south by the River Walkham, from the margin of which a deep adit is now commenced, which will intersect all the lodes in the estate, at a depth of from 30 to 60 finthoms. This affords facilities for working all the lodes to that depth, without the necessity of sinking engine-shafts, or erecting coastly pumping machinery, whilst the newer-falling supply of water which the River Walkham affords is available, and fully sufficient for all the requirements of sinking below adit, in the prosecution of the deeper levels.

It will be observable, by the reports, that the operations on the mine are considerably facilitated by the adit being driven on a cross-course. The ground of this cross-course is easy, and the walls firm, whilst its composition affords evidence of the nature of the lodes approached by the driving; in the present end strong indications are given that one of the lodes will be shortly intersected, the cross-course carrying riob stones of mundic, will be shortly intersected, the cross-course carrying riob stones of mundic, will be shortly intersected, the cross-course carrying riob ston

REPORTS UPON EAST WHEAL ROBERT.

REPORTS UPON RART WHEAL ROBERT.

Wheal Wilhams, March 24.—East Wheal Robert is situated in the parish of Samford Spiney, in the county of Devon, about four miles south of the town of Tavistock, and is bounded on the east by, and within about 300 fathoms from, the great granite range of Dartmoor, and on the west by the high-road leading from Huckworthy Bridge to the town of Tavistock. The stratum is of a light killas, and very congenial for the production of valuable copper ores. The sett is very extensive, and embraces within its limits all the lodes from east to west of the Sortridge Consols and North Wheal Robert, besides many others not in connection therewith, accompanied with a large elvan-course. It also contains two large cross-courses, of great promise, running north and south, and intersecting all the lodes, which add much to the prospective value of this mining property. Without the least hesitation, I do pronounce this mine to be a valuable piece of mineral property, and if properly developed, will soon stand high on the list with those dividend-paying mines in the district of Tavistock.

GEORGE ROWE.

this mine to be a valuable piece of mineral property, and if properly developed, will soon stand high on the list with those dividend-paying mines in the district of Tavistock.

GEORGE ROWE.

Sin,—I have, agreeably to request, inspected East Wheal Robert, and have to notice that the sett is extensive, and advantageously situated, having just claims for a spirited outlay to be made for its development, and deserving a trial to be made on the several mineral lodes contained therein. The sett is surrounded by the several productive and promising mines of North Wheal Robert, Sortridge Consols, Great Sortridge, and Huckworthy Mines, and also contains the lodes of the North Robert and Sortridge Consols, as well as other lodes and cross-courses; its extent is upwards of 500 fms, from cont to south. A large portion of the sett has a beautiful stratum of killas, or clay-slate, congenial for the produce of copper, and is traversed by two or three large cross-courses, one of them known as the Great Wheal Friendship cross-course. Recently three promising lodes have been opened on near the surface, producing fine gossan, with siones of copper ore; and, no doubt, there are several other lodes to be yet discovered in the northern portion of the sett, which can be advantageously reached by a cross-cut adit, driven on one of the cross-courses from the Walkham River, which bounds the sett on the south; the depth of adit in reaching the lodes will be from 35 to 70 fms. before the summit of the elevated ground is reached; this is a circumstance of importance, and the great advantage to be derived from water-power from the permanent River Walkham is of still far greater importance, as sufficient water may be diverted therefrom to work the nemecessary machinery for all the required purposes of mining to a depth of 100 fms.
During the past six months I have paid frequent visits to this sett and its locality, inspecting the various lodes and strata; and I can confidently recommend the East.
Wheal Robert sett as a very deserving spec

There are two or three cross-courses traversing this sett, and form intersections with the east and west lodes; these intersections are generally known to improve the east and west lodes. The stratum is of a beautiful character, being a light blue clay-slate. There are great advantages connected with the working of this mine, having the Waikham River running through the sett, which can be made available for all purposes of pumping, estamping, crushing, &c. (asy) to a depth of 100 fathoms. Additive class can be driven at a depth of from 30 to 50 fms. into the high hills. An addit has already been driven a considerable distance towards the southermoust lode, and can be extended to the other lodes at no very great expense, which is of great importance. I have several times visited this locality, and have a good opinion of it for a great distance around; I might mention Great and East Sortridge, Sortridge Consols, and Wheal Robert, all of which are producing, or are on the eve of doing so. I do not hesitate to say I have also a good opinion of East Wheal Robert, and with judicious management, I have no doubt it will prove to be a productive mining property. I would recommend your at once going to work spiritedly, and lay open the different lodes; by doing this you will be able to select the most proper places for a permanent operation.

Hesnack Mine, March 30.—I find East Wheal Robert to be were extensive on the run

lodes; by doing this you will be able to select the most proper passes for a pyramacus operation.

Hesnock Mine, March 30.—I find East Wheal Robert to be very extensive on the run of the lodes east and west, and north to south. It has the North Wheal Robert to the west, and lies within 600 fms. from the graniferange of Dartmoor to the east. The stratum is of a light blue killas, most congenial for the production of valuable copper lodes in that district. It has within its compass all the lodes passing from east to west of Sortridge Consols and North Wheal Robert, besides several others running parallel to the south, not in connection with the former mines, accompanied with an elvan course, which is a very important feature, and adds greatly to the value of this property. There are two cross-courses traversing this set from north to south, the one is supposed to be that passing through the Devon Burra Burra, from whence large rocks of copper ore have been taken. An adit lavel can be taken upon this cross-course, which will intersect all the lodes, and at a depth of 50 fms. from surface. The River Walkham can be made available for such machinery as may be required for future developing the mine and dressing purposes. Judging from the locality, and by proper management, and effectually developing the mine, it will speak for itself mining world by its productiveness.

BRITANNIA MINE, NORTH MOLTON, DEVON.—TO MINING COMPANIES AND OTHERS.—Notice is hereby given, that the WHOLE of the excellent PLANT and MACHINERY, now on the above MINE, will be SOLD, BY AUCTION, on Thursday, the 17th May inst., at One o'clock precisely, upon the premises. The list comprises a NEW WATER-WHEEL, 30 ft. diameter, and 5 ft. breast; 100 ft. of connecting rods; balance-bob; 20 fms. shaft rods, with strapping plates; 28 fms. of 9 in. pumps; windbore, working-barrel, and doorpicees; also, awater-wheel, 25 ft. diameter; capstan, shears, and rope; a 6-head iron stamping mill; ladders. Superior CRUSHING and AMALGAMATING MACHINERY (designed by Mr. John Mitchell, and constructed under the superintendence of Captain Moorsom), comprising edge runners, working in iron pans; revolving barrels; and aquantity of shafting, gearing, driving bands, &c.; together, with blacksmiths' shop, fittings, and tools, and numerous mining implements and materials.

May be viewed by application to Capt. Thomas, on the premises; and further particulars obtained of the scoretary, at the offices of the company; and of Mr. P. Donsa, auctioneer, North Molton, Devon.

P. F. NURSEY, Sec. and Purser.

15. Barge-yard Chambers, Bucklersbury, London, May 4, 1855.

LAST CROWNDALE AND RIX HILL MINES (TAVISTOCK).

TAST CROWNDALE AND RIX HILL MINES (TAVISTOCK).

— The MATERIALS of these MINES will be SOLD, BY AUCTION, on Tuesday, the 22d May, at One o'clock. They comprise a 56 in. STEAM ENGINE, and 10 tons boiler, with side tube, which cost £1980; a 26 in. PUMPING, HAULING, and STAMPING ENGINE, with boiler and massive fiy-wheel, hauling gear, &c., which cost over £1000; also, iron stamps' axies and stamps; several 15, 14, 13, 8, and 6 in. pumps, workings, cases, poles, rods, bobs, erab winches, timber, &c.

Reasonable time will be given for payment of engines, to enable respectable companies to prove their mines at a gradual cost.—Persons dealring the engines by private contract may know the terms from Mr. Offord, Plymouth. For particulars, see hand bills.

WEST UNITED HILLS MINE MATERIALS FOR SALE.

WEST UNITED HILLS MINE MATERIALS FOR SALE.

MR. GREENWOOD has been favoured with instructions to SELL, BY AUCTION, on Tuesday, the 15th day of May, at Eleven o'clock in the forenoon precisely, at WEST UNITED HILLS MINE, in the parish of Illogan, the following valuable MATERIALS:—viz., 36 in. cylinder STEAM_ENGINE, with first piece of tod, complete; boiler about 9 tons; capstan and abears; 70 fms. \$\frac{1}{2}\$ in. capstan-chair, horse whim, with oak axle; shat tackle and stands; whim-rope.

1 9 ft. 10 in. doorpiece.

1 9 ft. 10 in. windbore.

1 9 ft. 10 in. windbore.

1 9 ft. 11 in. pumps.

2 9 ft. 11 in. pumps.

3 9 ft. 11 in. pumps.

2 9 fm. 11 in. pumps.

4 9 ft. 11 in. pumps.

2 9 fm. 11 in. pumps.

3 0 fms. 1/\$\frac{1}{2}\$ fms. 9 in. launders; 2 whim kibbles.

40 fms. iron-staved ladders; 2 underground cisterns; 4 pair 6 in. rod-plates; 9 in. staples and glands; 30 fms. 1/\$\frac{1}{2}\$ fms. 9 in. launders; 1 4 ft. 11 in. wood matching; windiassec; wheel-barrows; carpenters, smiths, and miners' chests; several fathoms 7-10 in. chain; double block; pair bevels; 36 in. smiths' bellows; anvil; vice; smiths and miners' tools; 1 large beam; beam and scales; weights; serew stock; taps and plates; botta and burs; rod pins; wrought and cast-iron; lot new Norway balk; tool dit timber; lot plank; whim and other ropes; carpenters' bench; water-barrel; saw-pit; doors and windows; powder; hilts; nalls, &c.; together with the ACCOUNT-HOUSE FURNITURE, comprising an excellent apparatus, 2 kitchen tables, 6 chairs, betated and bedding, form, knives and forks, glasses, earthenware, saucepans, teak-tie, window blinds, and sundry other articles.

The materials are in excellent condition, the whole being nearly new; the auction to be made to Capt. Jours Busans, Helsion; or on the mine.

Mr. Greenwood having been appointed to sell the materials and wind-up the concern, all persons having any claims on the mine will forward the same to him, for the purpose of such claims being pald.—Truro, April 27, 1855.

O RAILWAY CONTRACTORS, AND MANUPACTURERS OF WOOD KEY.
AND TRENAILS FOR RAILS AND CHAIRS AND SHIPBUILDING, ENGINEERS, IRONFOUNDERS, BOILER MAKERS, AND OTHERS.

AND TRENAILS FOR RAILS AND CHAIRS AND SHIPBUILDING, ENGINEERS, IRONFOUNDERS, BOLLER MAKERS, AND OTHERS.

MR. SAMUEL BLOORE, Jun., has received instructions from the proprietor (in consequence of the room being required for extending his railway plant and wagon works to SELL, BY AUCTION, without reserve, on Monday, the 21st day of May, and following days, at the VULCAN IRONFOUNDRY, ERGINEERING, and BOLLER WORKS, BIRMINGHAM, a very complete and valuable SET of MACHINERY for MAKING the WOOD KEYS and TRENAILS for RAILWAYS and SHIPBUILDING, including circular saw tables; valuable shaping machine, for making wood keys, with slide rest, &c.; a powerful self-acting railway key compressing machine, with 30 sets of various patterns and sizes of compressing dies, and wrought-iron forcing tools for ditto; a very powerful rolling machine, for compressing old wels and long trenails; with brass double self-acting turning toolt od titto; a strong lower for the strength of the

IMPORTANT AND UNRESERVED SALE BY AUCTION, AT THE BEDLINGTON IRONWORKS, NORTHUMBERLAND. BEDLINGTON HONWORKS, NORTHUMBERLAND.

WO LOCOMOTIVE ENGINES, 45-horse high-pressure engine, two tubular boilers; self-acting lathes and shafting; planing, drilling, screwing, and punching machines; patent steam hammer; four second-hand boilers; ironstone, chalk, and hematits; pig-iron, refined metal, and merchant bars; scrap iron and metal; spur-wheels, sheaves, pinions; new and old brass castings, copper, and lead; boiler plate, new and old rails and tram plates; haystack boiler; wagons for coal, iron, slag, locomotives, and agricultural purposes; three keels; weighing machines, &c.; block cranes and blocks; crab-winches, screw-lacks, anvils, vices, bellows, smiths and joiners' tools; smiths' ironwork; tutensils and implements for rolling-mills, fitting-shops, ironstone-pits, and blast-furances; wood for joiners and cartwrights; guages, taps, and dies; chains; wood and metal patterns; boiler face plates; new and second-hand files; cast and hoop. L-steel; nails, screw-boits, nuts, and washers; brewing utensils, office furniture, stable tools.

MR. GEORGE HARDCASTLE announces that he is instructed to TR. GEORGE HARDCASTLE announces that he is instructed to RELL, BY FUBLIC AUCTION, without reserve, upon the premises, BED-LINGTON IRONWORKS, NORTHUMBERLAND, the WHOLE of the extensive and most valuable PLANT of MOVEABLE MACHINERY, and GENERAL STOCK IN TRADE, consisting of two locomotive engines, one 45-horse high-pressure steam-negine; two tubular boilers, icocomotive engines, one 45-horse high-pressure steam-negine; two tubular boilers, icocomotive engines, one 45-horse high-pressure steam-negine; two tubular boilers, icocomotive engines one 45-horse high-pressure steam-negine; two tubular boilers, icocomotive engines and pinlone; solo tons of particular and shafting; planing, drilling, screwing, and punching machines; patent steam hammer; four second-hand boilers; spur-wheels, sheaves, and pinlone; solo tons of patients, and the pressure steam hammer; four second-hand boilers; spur-wheels, copper, and lead; new and old collepiates, Railway bars, and tram plates; incline, erane, sling, and other chains; new and second-hand wagons for coal, iron, slag, icocomotives, and agricultural purposes; scales, weights, steelyards, and patent weighing machines; block cranes and blocks; orab-winches of various powers; screw-jacks, anvils, slake troughs, fender spring-vices, hellows, smiths and joiners' tools; smiths'-ironwork, crank axies, railway wheels and axies; utenalis, tools, and implements for rolling-mills, fitting-shoplust-turnness, and iron mines; new and useful wood for joiners, cartwrights, &z.; valuable inside and outside gauges, wrenches, saps, and dies; numerous wood and metal patterns; boiler face plates and tram plates; new and second-hand files; coat and hoop L-steel; mails, screws, nuts, and washers; hand gear for engines; coke, sale to commence on Monday, May 21st instant, and second-hand files; coat and hoop L-steel; mails, screws, nuts, and washers; hand gear for engines; coke, Sale to commence on Monday, May 21st instant, and second-hand files; coat and hoop L-steel; mails, screws, nuts, and washers;

shops.

Thursday, 24.—Pig-iron, refined metal, ironstone, wagons, keels, haystack
Priday, 25.—Second-hand locomotive, brewery, office furniture, and sundries.

Saturday, 26.—Settlement of sale accounts.

Saturday, 26.—Settlement of sale accounts.

Monday, 28.—Factory tools, brass, lathes, planing, drilling, screwing machines,
new locomotive, 46-horse engine.

Tuesday, 29.—Boilers and tools, oylinders, fire-engine, hand gear, foundry tools.

Wednesday, 30.—Funching machine, lathe tools, winches, screw-jacks, vices,
blocks, and chains.

Thursday, 31.—Fatterns, brass castings, guages, taps, dies, nails, and stores.

Friday, 1.—Scrap from and metal, box parts, stable, carts, wagons, harness, &c.
spection of the store-house, fitting-shop, &c., between Twelve and One o'clock
to day of sale.

The Friday, of the store-house, fitting-shop, &c., between a weare and cowpen-lane neach day of sale.

Railway trains from Newcastle, &c., arrive at the Sleekburn and Cowpen-lane stations, near the Bedlington Ironworks, at 10-30 a.m., and 1-30 r.m. Trains leave he above stations at 5 r.m.

The River Blyth is navigable up to the place of sale; and a branch from the Blyth and Tyne Railway enters the works, affording direct communication with the River Tyne, and the railway system of Great Britain.

PAYMENTS.—Under 550, in cash; above 550, in approved bills at three months, or is per cent. per annum discount allowed for cash. PATEMENTS.—Under £50, in cash; above £50, in approved ones at three months, or per cont, per annum discount allowed for cash. Luncheon will be supplied to gentlemen each day at noon, by ticket, the price of thick will be returned to purchasers at the sale.

catalogues, containing particulars of the 3000 lots in which this most important stock has been carefully arranged, will be issued on and after Tuesday mext, the 15th inst., and may be had on application to Mr. Gronze Hardcartzs, Sunderland Sale Offices; to Mesers. Garperyra and Choirton, sollcitors; or to Mesers. Allinson and Gillespie, accountants, Royal Arcade, Newcastle-on-Tyne.

POR SALE, a very excellent WATER-WHEEL, 40 ft. diam., 4 ft. wide, with east-iron rings, cast-iron sylindrical axie, with gudgeon ends, turned and fitted saddles, and gun-metal bearings; the whole nearly new, and of the best material and workmanship.—Applications to be made to Messra. Nicrolla, Williams, and Co., engineers, Bedford Ironworks, Tavistock, Devos.
Nicrolla, Williams, and Co., have a QUANTITY of SECOND-HAND MINE MATERIALS FOR SALE.

TO CONTRACTORS, RAILWAY COMPANIES, MINERS, ENGINEERS, AND OTHERS.

M. R. WHEATLEY KIRK is honoured with instructions from the Directors of the Manchesfer, Sheffield, and Lincolnshire Railway, to arrang, entalogue, and SELL, BY AUCTION, on Wednessay, the 23d day of May, 1853 (and not on the 18th, as previously advertised), ONE HUNDRED AND EIGHTY food BALLAST WAGONS, now lying at the Woodbead Tunnel, on the Mancheste, the field, and Lincolnshire Railway. Also, TWO most excellent FOUR-WHEELED, COUPLED, LOCOMOTIVE ENGINES, in thorough repair, with copper fire-bons, and copper stays; the cylinders are 14 in. bore, stroke 20 in.; leading and driving wheels 5 ft, diam., trilling wheels 3 ft, 6 in. diam.; total weight of each engine it tons; weight of each tender 6 tons I owt., and will hold 700 gallons. Also, the COMPLETE RONWORK of a RAILWAY TRAVELLING CRANE, and other values effects.—Particulars may be obtained on application to the auctioneer, at his cfine, 27a, Dale-street, Liverpool, and at his chambers, Cross-street, Manchester.

HORIZONTAL STEAM-ENGINES.—TO MINERS, MANUFAC-TURERS, CONTRACTORS, AND OTHERS.—WHEATLEY KIRK very respectfully calls the attention of his most extensive connection generally to his IMPROVED HORIZONTAL HIGH-PRESSURE STEAM-ENGINES, which conjunct to give such universal satisfaction; they are made in all sizes, and fitted, as occasion requires, for either manufacturing purposes, or for pumping or winding, Offices, 27a, Dale-street, Liverpool; or Cross-street Chambers, Manchester.

TO LOCOMOTIVE OR RAILWAY CARRIAGE AND WAGON BUILDERS, ENGINEERS, &c.—TO BE DISPOSED OF, a PORTHSH # a very valuable and increasingly popular PATENT RIGHT, applicable to the PNOSE WORK of every description of RAILWAY LOCOMOTIVE WORK.—Appl WHEATLEY KIRK, engineering, mills, works, and confidential agent, auctioner, nauer, and arbitrator, 27a, Dale-st., Liverpool; and Cross-st. Chambers, Manchester.

TWO EXCELLENT PORTABLE, SELF-ACTING, DOUBLE-GEARED DRILLING MACHINES, will bore to 10 in. diam., and take 18, under point of drill.—WHEATLEY KIRK, Liverpool and Manchester.

SET of FIVE BUTTERLY 40-horse power LOW-PRESSURE BOILERS, in good condition, complete, with all the mountings, steam-size, doors, &c.—WHEATLEY KIRK, Liverpool and Manchester.

PLANING MACHINE, will plane 15 ft. long × 5 ft. 6 in. wide, and 4 ft. 6 in. high, self-acting, in vertical, angular, and herizontal cuts (1816).—WHEATLEY KIRK, Liverpool and Manchester. PLANING MACHINE, SECOND-HAND (by Collier), 15 ft. long, 3 ft. wide, and 2 ft. 6 in. high.—WHEATLEY KIRK, Li

DUNCHING AND SHEARING MACHINE ON SALE, will for

HORIZONTAL STEAM-ENGINE, bore of cylinder 13½ in., strong 2 ft., complete, with governor, 4y-wheel, force pump, &c., or fitted up with encessary gear for pumping and winding. N.B. All my steam-engines have prought-fron fly-wheel shafts, made of the best faggotted fron.—Wheatley kin Liverpool and Manchester.

VERY STRONG 20 in. LATHE, quite complete, with bed at 20 ft. long, face plate 5 ft. 6 in. diam. (1132).—WHEATLEY KIRK, Mane

TO WELSH MINE AGENTS AND OTHERS.—TO BE SOLD, at a reduction on cost prices, a COMPLETE STOCK of MINE STORES.—For particulars apply, by letter, to "T. B. C.," *Mining Journal office*, 26, Fleet-street,

IN THE COURT OF THE COMMISSIONERS FOR SALE OF INCUMERED ESTATES IN IRELAND.

COUNTY OF TIPPERARY.

THE COMMISSIONERS WILL, on Friday, the 22d day of Just In the Matter of the Estate of Sir Yerk Edward Prettioner. Sir Yerk Edward Prettioner. In Set Up and Sell, By Auction, well circumstanced FEE-SIMPLE and FREEMOLD ESTATES and CHIEF RENTS; also, the MINES and MINERALS of the lands of GLANGOOLE:—

Lute.	Denominations.			Contents statute measure.			Yearly rent.		
1 2	Glangoole (part of)	A. 265 138	n. 1	P. 21 33	£121 86	5 0	7 0		
3	Glangoole (part of), including the town of New Ber- mingham	819	0	27	250	11	27		
5	Glangoole (part of)	238 576 842	0	8	601 66	6	0		
7	Derryvella (part of Glangoole) Garryclogh	323	i	38	159		10		
0	The mines of coal, culm, and ironstons, of the lands of Glangoole	000		14	100	0			
	Lickfinn (chief rent) Bolinclea (chief rent) Ballynahinch (chief rent)	1242	1	25	17	7	10		
	Total	6353	2	35	£1616	16	113		

Dated this 4th day of May, 1855. J. LOCKE, Auction Clerk

Dated this 4th day of May, 1855.

The Lots 1 to 8 inclusive are situate in the barony of Silevardagh and county of Tipperary, and comprise the fee-simple estate of Glangoole and Derryvells, and the freehold interest in the lands of Garryelogh, held under a lease for lives renewable for ever, which is about being converted into a fee farm grant.

The general character of the land is that of good arable, pasture, and madow; they are particularly well circumstanced, being within aix miles of Thurles, a large and important market town, and a station on the Great Southern and Western Railwy. The Lots 9, 10, and 11, consist of chief rents arising out of lands situate in the ronics of Silevardagh and Clanwilliam, and county of Tipperary.

The coal mines of Glangoole are let for 31 years from May, 1828, at the minimum rent above-mentioned, and the lease will expire on the last May, 1859. Mr. Gedden, of Edinburgh, a mining engineer of great experience, has inspected the colliery of Edinburgh, and the foreign of the value of Glangoole and Derry vella will be sold discharged of quit rents. Proposals for the purchase of the whole, or any part, of the estate by pirate contract will be received by the solicitors having the carriage of the proceedings up to Monday, the 11th day of June next, and submitted to the Commissioners, For rentals, and all further particulars, apply at the Court of the Commissioners, 14, Henrietta-street, Dublin; Sir Matthuw Baraineron, Bart., Sox, and Jurzah, Solicitors, having the carriage of the proceedings, 10, Ely-place, Dublin; Heast.

The Lands of Carry of the proceedings, 10, Ely-place, Dublin; Heast.

Stewart and Kincaro, 6, Leinster-street, Dublin; Tromas Millern, Esq., 6, 84. Andrew-sequere, Edinburgh, and 24, O'Doller-street, Dublin.

Andrew-square, Edinburgh, and 24, O'Doller-street, Dublin.

PENHALE CONSOLS MINE, CORNWALL, held under a liberal landlord, at 1-24th dues. To BE SOLD, the SETT of the above MINE, with all the MACHINERY, BUILDINGS, and LEAD ORES thereon. The mine is now in work, and comprises a 60-in PUMPING-ENGINE, with pumps, complete, to the 55 fm. level, to which the shaft has been recently sunk, on a lode producing I to all or the control of the cont

CARDIGANSHIRE.—VALUABLE MINERAL PROPERTY.—
FOR SALE, a PART, or, if absolutely required, the WHOLE, of the SHARES in that new and most promising MINE called BWADRAIN, which is divided ins shares.—Apply to Mr. Richard Warkins, Stamp-office, Aberystwith.

in that new and most promising MINE called BWADRAIN, which is divided instances.—Apply to Mr. Richard Watrains, Stamp-office, Aberystwith.

The following is Capt. Hughee's report on the sett:—

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ward about 3 fms., in which the lode is very wide; a small part only of which is
ward about 3 fms., in which the lode is very wide; a small part only of which is
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INES, &c.—MANAGERS and PURSERS OF MINES, up others, requiring PLANS, SECTIONS, CIRCULARS, NOTICES of TRANSPERS OF SHARES, RECEIPTS of TRANSPERS OF SHARES, COMMON EXCEPTS, ORDER BOOKS for MINES, or any species of SURVEYING of LITTLE GRAPHIC WORK, will do well to apply to R. STMONS and SON, Surveyor as Lathographers, Qusy, Truro.

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INING INVESTMENT.—WEST ABERFFRWD.—TO BE SOLD, a very valuable MINE, situate in the heart of the best mining district in Cardiganchire. A shallow sdift level has been extended for many fathoms, in the lottom of which there is a good course of ore now to be seen, and some tons of ore site surface broken therefrom. A deep adit level has been commenced, and driven on the course of heal ore discovered in the shallow adit level was the object of the present company; but a great portion of the mine being held by working miners is the adjacent neighbourhood, whose means are not sufficient to carry on the trial with spirit, is the only cause for parting with the property.—To inspect, and for furteer particulars, apply to the agent, PRILIP NICHOLLE, Goginan, Aberystwith.

7.8. There is every facility for the working of water machinery, carriage light, and dues moderate.—March 3, 1855.

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SOLD, ES.—For estreet.

00 of June k at noon, eet, Dub-UCTION, following

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TRANSON RELITHO.

TMPORTANT TO LEAD SMELTERS,—The INVENTOR is PRE-PARED to CONSTRUCT, upon liberal terms, a DOUBLE REVERBERATORY FEBNACE, eapable of making a SAVING of 50 per cent. FUEL over that of the best constructed furnaces in Europe; at the same time guarantees the general loss in selling not to exceed 5 per cent.

The inventor, after 20 years' experience, both in England and various parts of the Continent, has discovered the method, in the regular course of smelting, and without any extra cost, of separating antimiony from a certain class of silvery-lead ore, thereby rendering the lead free of all impurities, and, at the same time, the antimony in a marketable state.—All letters to be addressed to "C. J. R.," Minnay fournal office, 26, Fleet-street, London. A perfect model is to be seen on application to the inventor.

TO ARCHITECTS, SLATE MERCHANTS, BUILDERS, AND OTHERS.—The DIRECTORS of the MACHNO SLATE AND SLAB COMPANY having completed their arrangements for the BEMOVAL of their SHIPPING FORT to CONWAY, for the convenience of vessels unable to lower their masts to asste tubular bridge, are now PREPARED to RECEIVE ORDERS for their justly elebrated SLABS and SLATES, from the Ffestiniog vein, which for beauty of colour addurability are unequalled.

The slabs have been largely used in the construction of houses for Australia; and, room the facility with which they are erected and removed, are well adapted for lovable huts for men and horses at the proposed camps in England and Ireland. All applications to be addressed to Mr. T.-H. WHEKLER, the resident director, at he company's offices, Conway, North Wales.

To Coal Proprieto agreement. Frice of the meenine complete, 2200.

TO COAL PROPRIETORS AND OTHERS,—TO BE SOLD,
THREE-THIRDS of a COLLIERY, comprising 3 series of coal land, and containing the Main Coal (8 yards thick). Also, THREE-THIRDS of another COLLIERY, comprising 27 acres of coal land, and containing the Two-yard, Frassey, and
Main Coals. Both these collieries adjoin each other, and the coal has been discovered.
They are situated witchin a short distance of the town of Mold, in a locality where
there is an abundance of land sale. The three-thirds of each colliery will be sold
upon reasonable terms, and are well worth the attention of parties desirous of speculaing.—For further particulars, and to treat for, apply to Mr. WILLIAM HOURS,
mine agent, Mold, Fintshire.

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TO RAILWAY COMPANIES, IRONMASTERS, AND CAPITALISTS.—TO BE SOLD, BY PRIVATE CONTRACT, the RODRIDGE COLLERY, situated midway between Ferry Hill and Hartlepool, with its extensive ROYALTIES and PLANT. The coal from the Harvey seam, 4 ft. thick, has been manufactured by Mr. James Morrison into coke, which is of a first-class description for locomotive purposes. The property contains a valuable STEAM COAL SEAM, laying over a large acreage. Reports on the capabilities of the colliery, made by Mr. T. E. Forster (of Newcastle-on-Tyne) and Mr. Armstrong (of Wingate Grange), sat be seen on application to Mr. EDWARD TURNSULL, solicitor, Hartlepool; and Mr. SEYMOUR, RODRIGG HOUSE, FETRY HILL.

TO LIGHTLE TRONWOOPES TO DEP DISPOSED OF TO BE

M. SETNOUR, Rodridge House, Ferry Hill.

LIGIBLE IRONWORKS TO BE DISPOSED OF.—TO BE SOLD, OR LET, the UNEXPIRED TERM of an IRONWORKS In CUMBELLAND, comprising about it acres, held under a lease, at a nominal rest, having six years to run, consisting of a binst furnace, with blowing engine and hot blast apparatus; forges and mills for rolling bars, sheets, and boiler plates; and a tin-plate work, capable of producing 400 boxes per week; also, it workmen's and two excellent managers' houses. The forges have the advantage of both steam and water power; and the whole work is most cligibly situated close to a railway, a branch of which goes into the work, and with every facility for the cheap supply of argillaceous immediately put to work at a very small expense.

Also, together or esparately, a FREEHOLD FORGE and ROLLING Mill., in the immediate eighbourhood of the above, consisting of a complete set of rolls for pudded and failshed iron, Shingler's hammer, shears, &co., worked by a steam-engine, and capable of producing 50 to 70 tons of bars weekly.

Apply to Messrs. Mozwan and Auld, accountants, Glasgow; Messre. Wm. Bind and Co., London or Glasgow; or Perst Camerok, Esq., Whitehaven.

STEAM-ENGINES AND STEAM BOILERS TO BE SOLD:

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the first you again to my advertisement of 32d of April, intended chiefly for partice
they double as to the soundness of the principle on which surplus power is acquired,
and double as to the soundness of the principle on which surplus power is acquired,
and and my wheel."

I refer you to the facts enumerated in the severtisement, and submit that an enface, instead of bringing a sweeping charge against the discovery, without a single
argument in support of his views, should first detend himself and his brother in trade,
for the error in the working valves of the steam-engine, pointed out by me as one of
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Keens and Weich; Pott and Co.; the Times printing-office; and hundreds besides.—Testimonials, official reports, &c., may be seen at I. Fish-street-hill, City. Z / IMPORTANT DECISION RESPECTING THE LLANGENNECH COAL UNDER THE SMOKE NUISANCE ACT.—An information was exhibited against Mr. Fieming, Brewery, Camberwell-green, at the Lambeth Police Court, on the 12th February, 1835, for not having applied an apparatus for the consumption of amoke to the furnaces of his copper and stemm-engine.

Subsequently to the examination of his furnaces by the Government inspector he abandoned the use of the ordinary North Country, and adopted that of the Llangeranch Coal; since which, it was admitted by the police inspectors, no smoke had been observable.

It was not denied by Mr. Fleming that smoke had issued from the premises during the time the ordinary steam coals of the North were in use; but it was asserted by one of the inspectors, who visited the premises, that the Act of Parliament required an alteration in the construction of the furnace, so as to consume the smoke, netwithstanding the use of a coal which was itself smokeless. That question was argued before Mr. Elliott, the police magistrate, and the following report, and the decision thereon, appeared in the daily papers the next day:—

Mr. Parry, counsel for the defendant, drew the magistrate's attention to a clause in the Act of Parliament, which stated that all furnaces at present in use, and hereafter to be used, must be so constructed as to consume their own smoke; and observed that, without any re-construction of his furnace, Mr. Fleming had, since the information was laid, used only the Llangemench Smokeless Coal, the same as had been used for many years at Sir Henry Meux's brewery, and which was in effect a perfect compliance with the Act; but, inasmuch as the inspector of police had intimated to his client that, without the application to the furnace of the smoke-consuming apparatus, he would still be liable to an information, he (Mr. Parry) wished to take th

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## Wheal Wrey (nearly nt. 1	Carn Brea (copper, tin Castle State Quarry, D Comford (copper), Gwe Condurrow (copper)	1), Illogan	2 2 0 0 4—Feb., 1855. 160 0 0 3 0 6—June, 1850. 1000 0 0 3 0 0—Jan., 1855. 124	Devon Great Tineroft (tin)	5200 Round Hill, Salop 5250 Silver Brook, Ashburton	
## Wheal Wrey (lead) at. 1 w 1	Cwmystwith (lead), Ca Devon Great Consols (Dhurode (copper), Ire	ardiganshire 60 185 365 445 (copper), Tavistock 1 365 365 465 361 362 363 365 365 365 365 365 365 365 365 365	0 0 12 0 0—May, 1855. 25 3 0 0 1 8—Nov., 1853. 469 4 0 3 0 0—Feb., 1854. 25	6 Eaglebrook, Lianphangel, Card. 31 6 25 6 East Alfred Censols	12000 Sortridge Consols 12000 Sortridge and Bedford, Tavistock 8s 4000 South Bedford (copper)	13
Section Sect	Dolcoath (popper, tin), Drake Walls (tin, copp East Darren (lead), Co	, Camborne	6 6 0 1 6—April, 1853. 150 0 0 4 0 0—Nov., 1854. 100 0 0 2 10 0—April, 1854. 500	0 East Birch Tor [B]	6000 South Bog (lead), Saley 2000 South Carn Bred (cop.), Illogan 1: 20000 South Cork (silver, copper)	18 6 2 23/3
1	East Pool (tin, copper East Wheal Margaret Eyam Mining Compan	r), Pool, Illogan 244 0 0 (tin, copper) 55% 12 5 5 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5 0 0 5 0—Feb., 1854. 3 4 0 10 0—May, 1855. 13 0 1 10 0—Aug., 1850. 20	0 East Tamar (silid.), Beerferris 3% 4 4 4 6 East Tolgus (copper), Redruth 19 4 4 8 East Wheal George, Walkhamp, 23 1 0 26 27	256 South Garras 1024 So. Providence (tin), Sithney £ 2000 South of Scotland	7 = 6% = 6
1	Foxdale, Isle of Man . Ditto (New Shares General Mining Co. fo	8 of 231, each)	4 0 0 16 0—April, 1855. 400 0 8 0 3 3—June, 1853. 35 0 0 5 0 0—Sept., 1850. 5	00 East Wheal Russell, Tavistock £4 3 0 14 30 East Wheal Vor (tin)	2048 South Wales Consols	8 4 1 23 2 23 Doth
1000 Wheal wrey (lead), St. 176 10 - Aug., 1894 1895 1896 1996	Goginan (lead), Cardi Gonamena (copper), 8 Great Crinnis (copper Great Polycoth (tip)	Iganshire, Wales	7 6 0 7 6—Dec., 1852. 1 0 0 1 0—Sept., 1854. 120 10 0 0 4 3—Oct., 1852. 5 10 0 1852. 5 10 0 1852. 5 10 0 1852. 5 10 0 1854. 1240	36 Ecton Mountain (lead, copper). 30 Esgair Liee, Llanihangel-y-Croy 7	280 Spearne Moor (copper), St. State 5 5208 St. Austell Consols	1 18 1% 1% 2 ing f 2 1% 1% 2 Th 1 1% the f
1000 Wheal wrey (lead), St. 176 10 - Aug., 1894 1895 1896 1996	9 Great Work (tin), Ge 4 Herodsfoot (lead), ner 6 Hingston Down Cons	ermos	12 6 0 7 6—April, 1854. 150 5 6 0 6 0—March, 1855. 120 0 0 — —Feb. 1844. 50	00 Fron-isa and Craiglog (lead)	512 St. Michael Penkevil (tin) 1800 Swanpool, Budock 10000 Tallesin (sillead), Cardigansh.	1 1% the f mine 1.18T 5 3% LIST east c
1000 Wheal wrey (lead), St. 176 10 - Aug., 1894 1895 1896 1996	Holmbush (lead, copp Holyford (copper), no Jamaica (lead), Mold	per), Callington 33 380 3	0 0 5 0 0-March, 1851. 10 4 0 0 4 0-March, 1854. 120	24 Gilmar (tin), St. Erth	4944 Tavy Con. (cop.), near Tavistock 4 6000 Thomas's United	1 1 1 1 1 1 M
1			1 0 0 1 0—July, 1853. 0 0 50 0 0—Feb., 1855. 2 0 0 2 0—Aug., 1851.	43 Grambler & St. Austril. 20 9 00 Great Beam (tin), St. Austeil 20 9 00 Great Cambrian 14 3	12000 Trannack Consols, 1024 Treburyah, Perranuthnoe	1 × 1 = 1 × M
1	00 Lewis (tin, copper), 8 60 Levant (copper, tin), 00 Lieburne (lead), Card	St. Erth	0 0 2 2 0 0—Feb., 1855. 15 0 2 10 0—Dec., 1854. 10 0 1 5 0—Dec., 1854. 10 0 1 5 0—Dec., 1854.	000 Great Hewas United 2 2 1 14 168 Great Onslow Cons., Camelford 2 2 1 14 168 Great Sheba Consols 213 6 4	4006 Trebell Con. (tin, cop.), Lamvet. 10000 Treloggan, St. Colomb Minor 5000 Treloweth (copper), St. Erth	11 2 61 19 4 5 3 5 3 5 B
1000 Wheal wrey (lead), St. 176 10 - Aug., 1894 1895 1896 1996	Ditto (New Share 00 Marke Valley (copper 00 Mendip Hills (lead),	as Company 18 22 18 22 19 21 10 22 10 24 24 25 26 27 28 29 20 20 20 21 22 23 24 25 26 27 28 28 29 20 20 20 20 20 21 22 23 24 25 26 27 28 28 29 20 20 20 21 22 23 24 25 26 27 28 28 29 20	2 6 0 2 6—May, 1853. 10 17 6 0 7 6—Dec., 1854. 11 11 0 0 2 6—June, 1853. 5	000 Gt. Tregune Consols, Altarnun. 344 17 10 12 024 Great Wheal Alfred, Phillack 344 17 10 12 120 Great Wheal Baddern (tin) 25 14 14 18	2048 Trevelyan (tin, copper) 2500 Trevenen (tin), Wendron	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
1000 Wheal wrey (lead), St. 176 10 - Aug., 1894 1895 1896 1996	Merilyn (lead), Flint Mining Co. of Irelan Nanteos and Penrhiy	15% 15%	0 16 0 16 -April, 1855. 10 3 9 0 1 3-Nov., 1854. 16	0000 Grey Mare (iron, &c.), Cornwall 4	4000 Tyne Head 4000 Tyn-y-Worglodd(slate), Carnar. 10000 Tyn-y-berth (slate) 5000 Ulpha United Mines, Cumberl.	1 % 1 % 8 Be 6 Cit
1000 Wheal wrey (lead), St. 1vs 15 15 15 15 15 15 15 1	70 Newtonards Mining 00 North Pool (copper,	Company, Co. Down 50 65 75 83 tin), Pool 221/2 100 24	1 0 0 2 0 0—Jan., 1855. 4 0 0 2 0 0—Dec., 1854. 9 10 0 4 0 0—Sept., 1853. 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	512 Halamanning and Croit Gulatock 188, 6d 14 192 Hawkmoor (tin & cop.), Calstock 188, 6d 14 1900 Haytor Consols (tin, copper) 4 1512 Helvellyn Consols (cop.) 1 13	2000 Union (tin), Roche & Lucinia. 20000 Vale of Towy (lead)	% 1 ¼ 1 100 Ca 1 15 5 75 ¼ 1 50 Ca 50 Cu
1000 Wheal wrey (lead), St. 1vs 15 15 15 15 15 15 15 1	00 North Roskear (copy 00 North Wheal Basset 00 Par Consols (copper 00 Peak United (lead).	per), Camborne 20 21 22 1 (copper, tin), Illogan nil 20 21 12 11 13 2 12 11 13 2 12 11 13 2 2 2 3	3 6 0 0 10 0—July, 1853. 4 3 0 0 0 10 0—Oc., 1854. 1 15 0 0 10 0—June, 1851.	0006 Hemerdon Consols	2000 West Aberffwyd, Cardigananre 1024 West Alfred (esp.), Phillack 3000 West Crinnis, St. Austell	25 18 100 Cw 2% 8% 2 Ea 36 0 8 15Ea
1000 Wheal wrey (lead), St. 1vs 15 15 15 15 15 15 15 1	Perran St. George (c Phænix (copper, tim Polberro (tin), St. A	eop., tin), Perranzabuloe 21), 15 n), Linkinghorne	0 0 0 10 0 0 —Nov., 1853. 6 6 0 1 1 0—Sept., 1854. 4 4 0 1 5 0—Feb., 1855.	000 Hope Valley	25000 West Par Con. (cop.), St. Blazey 6000 West Polberro 5500 West Rosewarns United	1 1 2 East 50 Gaz 25 Gra
1000 Wheal wrey (lead), St. 1vs 15 15 15 15 15 15 15 1	948 Rix Hill (tin), Tavi 256 Rosewarne United 256 South Caradon (con	(copper, tin), Gwinear	3 00 3 00—March, 1855. 8 00 8 00—March, 1855. 2 50 0 2 6—April, 1855.	1300 Kilbricken (silver-lead), Clare . 5	1006 West Wheal Frances, Illogan 10000 West Wheal Jane	20 19 17 19 5 Gre 23 Ly. 36 3 Mr.: 8outh
## Wheal Wrey (lead), St. 1vs 54%	2000 South Tamar (silver 206 South Tolgus (copp 248 South Wheal France	oes (copper), Illogan	10 0 0 4 0 0—May, 1853. 18 5 0 12 0 0—May, 1855. 10 17 6 0 7 6—April, 1852.	2285 Leeds Town (tin, cop.), trowns 4000 Loveden United, Cardiganshire 13 1 50000 Ludgvan Lease (tin), St. Ives	1000 Wheal Agar (copper), intogan 12000 Wheal Afred (cop.), Hayle 240 Wheal Bal (tin), St. Just	1 11/6 and 1N 8AL and 1N 14/3 Por matrices
Mines March Marc	924 St. Aubyn and Gryl 94 St. Ives Consols (tis 960 Stray Park and Car	10 10 10 10 10 10 10 10	88 0 0 8 0 0—Feb., 1854. 11 10 0 3 0 0—Oct., 1850. 4 11 0 2 0 0—Feb., 1853.	2500 Madron United (tin), Cornwall. 5 61 1024 Melin Llyn-y-Pair, Merioneth 75 40 256 Messer, Bodmin 5s. 6d 5 40	539 Wheal Carne (tin), St. Just. 1024 Wheal Carpenter, S. Sydenham 512 Wheal Constance (lead), Newlyn 512 Wheal Constance (con.), Taylstook	8% 9 11 8% 1% 1%
Mines March Marc	Tamar Consols (silv Tincroft (copper, ti Trebane (silver-lea Treleigh Copper)	ver-lead), Beeralston	6 18 6 0 10 6—Feb., 1855. 7 16 3 0 5 0—Feb., 1855. 1 3 0 0 5 0—Oct., 1847. 1 15 0 1 0 0—Feb., 1854.	48 48 48 496 Middleton (lead), Snailbeach 48 8 1024 Mill Pool (tin, cop.), St. Hilary 9 8 7500 Mixon Great Cons. (cop.), Leek £1 11 8 13	1024 Wheal Cupid (copper), Redruth 1070 Wheal Enys	10 5 9 10
Mines March Marc	572 Trelyon Consols, (t 96 Tresavean (copper) 130 Trethellan (copper)), Gwennap, Cornwall 104	72 15 0 7 0 0—Jan., 1855. 2 103 13 6 2 10 0—April, 1851. 1 0 1 0—Feb., 1855.	00000 Misen Head, Cork 0000 Molland (cop.), South Moulton %ls. 6d,ls. 6 6400 Mostyn (lead), Flint	6d. 6000 Wheal Grenville, Camborne 10000 Wheal Guskus (tin, copper) 5120 Wheal Harriett, Camborne 2000 Wheal Helen (tin), Breage	and the same of th
Mines March Marc	120 Trevalga (slate), B 120 Treviskey and Bar 100 Trewetha (silver-le 100 Trumpet Consols (Sociatio	0 13 0 0 3 0—June, 1854. 55 0 0 5 0 0—Dec., 1854. 47 5 0 2 0 0—Feb., 1854.	1700 Nant-y-Car (cop.), nr. Rhayaderst. 52	256 Wheal Kitty (tin), Uny Leiant. 5000 Wheal Kitty (tin), St. Agnes 6000 Wheal Langford.	## 4% 4% Gra
## Wheal Wry (lead), st. 1rs 346	400 United Mines (cop) 024 Wellington (coppe) 500 Welsh Potosi (silv	oper), Gwennap	2 5 0 0 2 6—Jan., 1855. 0 15 0 0 5 0—Jan., 1855. 0 11 0 0 7 0—Jan., 1855.	2000 North Downs (copper), Redruth 14 4 34 2000 North Frances (cop.), Illogan 44 34 2000 North Levant (tin, cop.) St. Just 14 7	512 Wheal Mary Ann (Perran) 513 Wheal Mary Ann (Perran) 5400 Wh. Mary Great Consols (cop.) 5000 Wheal Marshall, St. Stephens	M
## Wheal Wry (lead), St. 17s 15 15 15 15 15 15 15 1	5000 West Basset (60ppe 256 West Caradon (cop 256 West Damsel (cop	per), Liskeard 20 175 175 175 175 175 175 175 175 175 175	105 5 0 4 0 0—Feb., 1855. 10 0 0 2 0 0—March, 1855. 23 5 0 1 5 0—Nov., 1854.	10000 North Towy and Cystanog	11 512 Wheal Montague (tin) 50 8960 Wheal Peru, Cornwall 4000 Wh. Robert, Sampford Spiney	10s, 6d ¥
## Wheal Wry (lead), St. 17s 15 15 15 15 15 15 15 1	200 West Providence (200 West Wheal Seton 1228 Wheal Arthur (cop 256 Wheal Basset (cop	(tin), 8t. Erth 210	5 0 0 0 10 0—April, 1855. 642 10 0 20 0 0—April, 1855. 651 5 0 25 0 0—March, 1855.	1000 North Wheat I respectively (cop., tin), Gwin. 114 2048 Okel Tor (lead), Calstock 512 4 7980 Old Avarack & Nancothan United	4000 Wheal Russell (cop.), Tavistoc 1024 Wheal Sidney, Plympton 6000 Wheal Tehidy (copper), Illoga	1 2 3 2 3 3 3 3 N N N M
## Wheal Wry (lead), St. 17s 15 15 15 15 15 15 15 1	256 Wheal Buller (cop 1024 Wheal Charlotte, 250 Wheal Clifford (co 5700 Wheal Exmouth a	pper), Redruth 3% 13% 13	6 6 11 2 13 3—April, 1835. 1 4 6 0 2 0—Dec., 1854. 375 10 0 8 0 0—May, 1854.	10000 Old Trewether Consols	512 Wheal Trefusis (cop.), Gwenna 1044 Wheal Trenwith (copper, tin) 3000 Wheal Trewant (tin), Breage.	5% 5% M
## Wheal Wrey (lead), St. 1vs 54%	128 Wheal Friendship 5000 Wheal Golden (sil 6000 Wheal James (iro	p (copper), Devon	1 5 0 0 5 0—Sept., 1853. 0 2 0 0 2 0—May, 1853. 4 10 0 1 0 0—Oct., 1853. 30 0 0 2 0 0—Aug., 1854.	1000 Paul's Downs (copper)	3167 Wheal Unity (cop., tin), Gwines 1024 Wheal Uny (tin, cop.), Redrut 1024 Wheal Venton (sillead), Lisk	M 221 6
## Wheal Wry (lead), St. 17s 15 15 15 15 15 15 15 1	430 Wheal Lovel (tin) 112 Wheal Margaret (512 Wheal Mary Ann), Wendron 83 50 100 (tin), Uny Lelant 54 32½ 28 30 1 (lead), Menheniot 70 400	220 0 0 5 0 0—May, 1854. 28 15 0 2 0 0—March, 1854. 167 3 0 2 10 0—Feb., 1855. 40 10 0 3 0 0—Sept., 1852.	1500 Pencraig (lead), Carnarvon	6400 Wheal Whitleigh 4096 Wh. Zion (cop., lead), Calstock. 6400 Whitford (lead), Flint).	£456 1 1 1N
## Wheal Wry (lead), st. 1rs 346	240 Wheal Reeth (tin 198 Wheal Seton (tin 520 Wheal Trelawny	1, Uny Lelant 24¼ 258 258 26 30 27 (silver-lead), Liskeard 51 32 28 30	254 10 0 8 0 0—April, 1854. 47 10 0 1 0 0—Jan., 1855. 10 2 6 0 7 6—Jan., 1854.	123 Penmaen (gold), Merioneth	10000 Wrysgan (Preference) 100 Wyndham Consols 4906 Yeoland Consols (tin, copper)	M H
3000 Alten Mining Company (copper), Norway 1	4036 Wheal Tremayne 5000 Wicklow (copper 10000 Wrysgan (slate),	o (in, copper), Gwilear 11, 96 5%	0 2 0 0 1 0-Aug., 1854.	Shares.	Paid. Price. Shares. in&Carivilleen 1/2 1/2 6400 South 1 ough Tor 37 5	enstruthal)
90000 Kewsensw Foist (cop., sil.) 5	8000 Alten Mining Co	POREIGN MINES.	4 5 0 0 15 0-Nov., 1853. 0 1 0 0 1 0-Nov., 1852. 34 17 6 0 10 0-Dec., 1844.	20000 Angarrack Consols . 1 1½ 12000 Great 8: 10000 Arundell Copper 1½ ½ 10000 Great W 1	rereddoe 18 2 3073 South V rereddoe 3 1000 South V Vh. Martha 4 6000 South V	Vest Phenix fi 13 6 136 Vheal Lovel .13a.8d 136 Vheal Robert 160
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90000 Kewsensw Folat (cop., sil.)	20000 Mexican and So 188676 North British A 2000 Obernhof (lead),	nth American (cop.), Mexico	0 0 8 0 0 8 March, 1854. 0 1 0 0 1 0 June, 1855. 33 4 0 1 5 0 July, 1848.	6000 CaradonWood (lead) #1 4 6 363 Nont-a 30000 Carbery West, Ireland 1/2 364 Nont-a 5000 CarolineWh.Prosper 2 320 Nent Fo	r-Nelle 17 2048 West Groce, Alston 1 1½ 1024 West F 256 West S 1 2000 West S	hornix
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20000 Kewsensw Folat (cop., sil.)	Shares. 75000 Adelaide Land at	NON-DIVIDEND FOREIGN MINES. Paid. Last Price. Present. 90000 Linares, New, (les	d, cop.), Spain 1 Present.	2400 Cwm Consols (tin) 1	m Consols 13 5000 Wheal san, St. Breock 13 2048 Wh. Fe (silver-lead) 512 Wheal the Woodclose 13 512 Wheal	Fanny
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90000 Kewsensw Folat (cop., sil.)	80000 Clarendon Conso 54860 Cologne Mining 25000 Dalecarlia (si') 25000 Fortuna (silver)	Ols, Jamaics 200000 Nouveau Monde 25000 Peninsular Mini- lead), Sweden 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	(California 3 15 15 15 15 15 15 15 15 15	1024 E. Boscoan, St. Jul. 240 Retall 6144 East Caradon (cop.). £1 16 1 240 Retall 5500 East Frongoch (lead) 13s. 6d 5 6000 Ea. Trelawny (silld.) 25 3	castle (lead). 16s 14 10000 Wheal 1014 (lead, cop.). 4 4 1024 Wheal	ender, Crowan 17. 119. Endecott 17. 2 Br. Penclope 19. 54. 3 Br. Pollard 19. 54. 3 Br. Samson 1 5 Gr. Trelusback 5% - Or Tristrem 6 4 - Or De
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